

# Native Proteins

Proteins are essential research tools that play a central role in basic research, drug development, and diagnostics. In certain applications, it is advantageous to use native proteins, which are proteins in their natural, properly folded, fully functional form. Native proteins are not altered by artificial tags or any denaturing agents during purification including enzymes, chemicals, heat, etc. They are produced in vivo by the host organism and are isolated from the host serum and/or tissues using non-denaturing methodologies. BioVision is pleased to offer a wide range of native proteins isolated from serum and body tissues derived from a variety of host organisms including bovine and human. These proteins are highly pure and can be used for multiple applications.

| Product Name   | Cat. No. | Size               |
|--|----------|--------------------|
| Alpha 1 Acid Glycoprotein, Human Plasma              | 7547     | 2 mg, 10 mg        |
| Actin, Rabbit Muscle                                 | P1246    | 500 µg, 1 mg       |
| Alanine Aminotransferase (ALT, GPT), Porcine Heart   | P1298    | 1 kU, 10 kU        |
| Albumin human (HSA) - Protease Free                  | P1115    | 10 ml, 50 ml       |
| Albumin, Human Plasma                                | 7546     | 1 g                |
| Alkaline Phosphatase, Calf Intestine                 | 7585     | 10 µg, 50 µg, 1 mg |
| Alpha-Amylase, Human Pancreas (Liquid)               | P1545    | 100 units          |
| Alpha-Amylase, Human Pancreas (Lyophilized)          | P1454    | 100 units          |
| Alpha-Amylase, Human Saliva                          | P1455    | 1 kU               |
| Angiostatin, Human Plasma                            | 4919     | 100 µg, 500 µg     |
| Alpha 1 Antichymotrypsin, Human Plasma               | 7293     | 100 µg             |
| Alpha 2 Antiplasmin, Human Plasma                    | 7295     | 100 µg             |
| Antistreptolysin O (ASO), Human Plasma               | P1453    | 1 ml               |
| Antithrombin III, Human Plasma                       | 7298     | 100 µg, 500 µg     |
| Alpha 1 Antitrypsin, Human Plasma                    | 7294     | 1 mg               |
| APO-J / Clusterin, human plasma                      | 4325     | 10 µg, 500 µg      |
| Apolipoprotein AI, Human Plasma                      | P1521    | 100 µg             |
| Apolipoprotein AII, Human Plasma                     | 7281     | 500 µg             |
| Apolipoprotein AIV, Human Plasma                     | 7282     | 50 µg              |
| Apolipoprotein B, Human Plasma                       | 7283     | 500 µg             |
| Apolipoprotein CI, Human Plasma                      | 4703     | 100 µg             |
| Apolipoprotein CII, Human Plasma                     | 4704     | 50 µg              |
| Apolipoprotein CIII, Human Plasma                    | 4706     | 100 µg             |
| Apolipoprotein E, Human Plasma                       | 7284     | 50 µg              |
| Apotransferrin, Human Plasma                         | 4707     | 100 mg             |
| Apotransferrin, Mouse Plasma                         | 7540     | 1 mg               |
| Apotransferrin, Rat Plasma                           | 7541     | 1 mg               |
| Aprotinin, Bovine lung                               | 4690     | 5 mg, 100 mg, 1 g  |
| Ascorbate Oxidase                                    | P1569    | 100 U, 1 kU        |
| Aspartate Aminotransferase (AST, GOT), Human Liver   | P1299    | 1 units            |
| Aspartate Aminotransferase (AST, GOT), Porcine Heart | P1300    | 5 kU, 20 kU        |

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| Product Name  | Cat. No. | Size          |
|---|----------|---------------|
| Azurocidin, Human Neutrophil (Cationic protein 37)                              | 7287     | 100 µg        |
| Bacterial/Permeability-Increasing Protein, Human Neutrophil (BPI, CAP57)        | 7288     | 50 µg, 100 µg |
| Bovine Factor Xa  | P1715    | 100 µg        |
| Bovine Factor Xa, EGRck Active Site Blocked                                     | P1716    | 100 µg        |
| C1 Esterase inhibitor, Human Plasma   | 7299     | 1 mg          |
| CA 15-3, Human Breast Adenocarcinoma  | P1435    | 1 kU, 5 kU    |
| CA 19-9, Human Liver Metastases   | P1437    | 5 kU          |
| CA 72-4, Human Metastatic Liver Carcinoma                                       | P1436    | 1 kU, 5 kU    |
| CA-125, Human Ascites Fluid   | P1446    | 10 kU         |
| Calmodulin, Bovine Brain  | 7291     | 500 µg, 1 mg  |
| Active Porcine Calpain 1  | 1138     | 100 µg        |
| Active Human Calpain 1  | 1134     | 100 µg        |
| Human Carcinoembryonic Antigen  | P1712    | 100 µg        |
| Catalase, Human Erythrocytes  | 4712     | 1 mg          |
| Cathepsin B (active, human)   | 1021     | 5 µg          |
| Cathepsin D (active, human)   | 1022     | 5 µg          |
| Cathepsin G, Human Neutrophil   | 4713     | 100 µg        |
| Cathepsin H (active, human)   | 1023     | 5 µg          |
| Ceruloplasmin, Human Plasma   | P1452    | 1 mg          |
| Ceruloplasmin, Human Plasma   | 4096     | 1 mg          |
| Chorionic Gonadotropin (CG), human urine  | 4778     | 1 mg          |
| Human Chorionic Gonadotropin, α Subunit   | P1713    | 100 µg        |
| Human Chorionic Gonadotropin, β Subunit   | P1714    | 100 µg        |
| Chylomicrons, Human Plasma  | 7285     | 1 mg          |
| Chymotrypsin, Human Pancreas  | 7538     | 100 µg        |
| Complement C3c, Human Plasma  | P1271    | 500 µg, 1 mg  |
| Complement C4c, Human Plasma  | P1272    | 500 µg, 1 mg  |
| Complement C5, Human Plasma   | P1273    | 25 µg, 100 µg |
| Core Histones (Human)   | 7677     | 50 µg, 100 µg |
| Creatine Kinase (CK/CPK), Rabbit Muscle   | P1301    | 1 kU, 25 kU   |
| Cystatin C, Human urine   | P1447    | 100 µg        |
| Defensins, Alpha, Mixed from Human Neutrophils (HNP, Human Neutrophil Peptides) | 7289     | 25 µg         |
| Diaphorase, Clostridium kluveri   | P1501    | 1 kU          |
| D-Dimer, Human Plasma   | P1434    | 100 µg, 1 mg  |
| Dipeptidyl Peptidase IV, Human Placenta   | 4709     | 10 mU         |
| eEF1A, Rabbit Reticulocytes   | P1315    | 10 µg         |
| eEF2, Rabbit Reticulocytes  | P1316    | 10 µg         |
| eIF2, Rabbit Reticulocytes  | P1317    | 20 µg         |
| eIF3, Rabbit Reticulocytes  | P1318    | 200 µg        |
| Elastase, Human Neutrophil  | 4716     | 100 µg        |
| Factor Va, Human Plasma   | 4098     | 10 µg, 50 µg  |
| Factor VII, Human Plasma  | 7686     | 50 µg         |
| Factor VIIa, Human Plasma   | 7687     | 50 µg         |
| Factor X, Human Plasma  | 7688     | 400 µg        |
| Factor Xa, Human Plasma   | 7689     | 400 µg        |
| Factor XII, Human Plasma  | 7690     | 250 µg        |

| Product Name  | Cat. No. | Size                |
|---|----------|---------------------|
| Factor XIIa, Human Plasma   | 7691     | 250 µg              |
| Ferritin, Human liver   | P1449    | 100 µg              |
| Ferritin, Human Placenta  | P1451    | 50 µg               |
| Ferritin, Human Spleen  | P1450    | 100 µg              |
| Alpha-Fetoprotein (AFP), Human Cord Serum                           | P1585    | 100 µg, 1 mg        |
| FGF-acidic, Bovine Brain  | P1589    | 5 µg                |
| FGF-2/FGF-basic, Bovine Pituitary                                   | P1590    | 5 µg                |
| Human Fibrinogen (PAD2 Citrullinated)                               | P1718    | 50 µg, 100 µg       |
| Human Fibrinogen (PAD4 Citrullinated)                               | P1719    | 50 µg, 100 µg       |
| Fibrinogen (Pg & vWF depleted), Human Plasma                        | 7693     | 500 mg              |
| Fibrinogen (Pg, Fn & vWF depleted), Human Plasma                    | 7694     | 250 mg              |
| Fibrinogen (plasminogen depleted), Human Plasma                     | 7692     | 1 g                 |
| FSH, human urine  | 4781     | 50 µg, 1 mg         |
| Leucine-rich Alpha 2 Glycoprotein-1 (LRG1), Human Plasma            | P1431    | 50 µg               |
| Haptoglobin, (Phenotype 1-1) Human Plasma                           | 7536     | 1 mg                |
| Haptoglobin, (Phenotype 2-2) Human Plasma                           | 7537     | 1 mg                |
| Haptoglobin, Human Plasma (Mixed Type)                              | 7535     | 1 mg                |
| HBsAg (Subtype Ad), Human Plasma                                    | P1439    | 100 µg, 500 µg      |
| HBsAg (Subtype Ay), Human Plasma                                    | P1440    | 100 µg, 500 µg      |
| HE4, Human Ascites Fluid  | P1438    | 100 µg, 500 µg      |
| Hemocyanin-Keyhole Limpet (KLH) subunits, powder                    | 6286     | 1 mg                |
| Hemocyanin-Keyhole Limpet (KLH) subunits, solution                  | 6287     | 20 mg               |
| Hemocyanin-Keyhole Limpet (KLH), Native                             | 6288     | 25 mg               |
| Hemopexin, Human Plasma   | 7544     | 1 mg                |
| Hemopexin, Rat Serum  | 7545     | 100 µg              |
| Heparin Sodium, Porcine Intestinal Mucosa                           | 8013     | 10 µg, 50 µg        |
| Histone Protein, Calf Thymus  | 1136     | 10 mg               |
| Alpha 2 HS Glycoprotein, Human Plasma                               | 7548     | 1 mg                |
| IgG1 From Human COVID-19 Convalescent Plasma                        | A2302    | 50 µg               |
| IgG3 From Human COVID-19 Convalescent Plasma                        | A2303    | 50 µg               |
| Jacalin   | 6560     | 5 mg, 25 mg, 100 mg |
| Kallikrein, Human Plasma  | 4093     | 50 µg               |
| Kininogen, HMW, Human Plasma  | 7300     | 100 µg              |
| Kininogen, LMW, Human Plasma  | 7301     | 100 µg              |
| Lactalbumin, Human Milk   | 7286     | 1 mg, 5 mg          |
| Lactoferrin, Human Milk   | 7550     | 2 mg, 10 mg         |
| Lactoferrin, Human Neutrophil                                       | 4092     | 100 µg              |
| Lipoprotein a [Lp(a)], Human Plasma                                 | 4930     | 50 µg               |
| Lipoprotein, Human Plasma, Low Density                              | 4931     | 1 mg                |
| Lipoproteins, High Density, Human Plasma, Suitable for Cell Culture | 7853     | 1 mg                |
| Lipoproteins, Human Plasma, High Density                            | 4934     | 1 mg                |
| Lipoproteins, Human Plasma, Intermediate Density                    | 4932     | 1 mg                |
| Lipoproteins, Human Plasma, Very Low Density                        | 4933     | 1 mg                |
| Lipoproteins, Low Density, Human Plasma, Suitable for Cell Culture  | 7854     | 1 mg                |
| Lipoproteins, Oxidized LDL (OX-DL), Human Plasma                    | P1485    | 1 mg                |

| Product Name  | Cat. No. | Size                |
|---|----------|---------------------|
| Lipoproteins, Very Low Density, Human Plasma, Suitable for Cell Culture | 7855     | 1 mg                |
| L-Lysine 6-Oxidase, <i>M. mediterranea</i>                              | P1500    | 10 mU               |
| Alpha 2 Macroglobulin, Human Plasma                                     | 7296     | 1 mg                |
| Alpha 2 Macroglobulin, Human Plasma, Fast Form                          | 7297     | 1 mg                |
| Beta 2 Microglobulin, Human Urine                                       | P1432    | 100 µg, 250 µg      |
| Pro-MMP-8, human neutrophil granulocytes                                | 7784     | 5 µg                |
| Myeloperoxidase, Human Neutrophil                                       | 4744     | 100 µg              |
| Myosin Light Chain, Human Heart   | P1568    | 20 µg, 100 µg       |
| Human Pituitary Growth Hormone  | P1710    | 100 µg              |
| Plasmin, Human Plasma   | 4089     | 1 mg                |
| Prekallikrein, Human Plasma   | 7685     | 100 µg              |
| Prostate Specific Antigen (Human Semen)                                 | P1444    | 50 µg               |
| Native Human Prostate Specific Antigen                                  | P1711    | 100 µg              |
| Prostatic Acid Phosphatase, Human Semen                                 | P1445    | 1 kU                |
| Activated Protein C, Human Plasma                                       | 7683     | 50 µg               |
| Protein C, Human Plasma   | 7682     | 50 µg               |
| Proteinase 3 (PR3), Human Neutrophil                                    | 7290     | 25 µg               |
| Prothrombin, Human Plasma   | 7684     | 1 mg                |
| PSA-ACT Complex, Human Semen & Serum                                    | P1448    | 10 µg               |
| C-Reactive Protein, Human Fluids  | P1441    | 1 mg, 5 mg          |
| 60S ribosomal subunit, Rabbit Reticulocytes                             | P1314    | 300 µg              |
| 40S ribosomal subunit, Rabbit Reticulocytes                             | P1313    | 200 µg              |
| Thrombin, Active, Bovine Plasma (High Activity)                         | 7592     | 1 KU, 10 KU, 100 KU |
| Thrombin, Active, Bovine Plasma (Technical grade)                       | 7591     | 1 KU, 10 KU, 100 KU |
| Thrombin, Active, Human Plasma  | 7593     | 250 U, 1000 U       |
| Thrombospondin, human platelets   | 4806     | 25 µg               |
| Human Thyroglobulin   | P1025    | 20 µg, 100 µg       |
| Human Thyroid Stimulating Hormone (TSH)                                 | P1031    | 2 µg, 10 µg         |
| TIMP-1, human neutrophil granulocytes                                   | 7787     | 25 µg               |
| TIMP-2, human fibroblasts   | 7788     | 25 µg               |
| Transferrin (HOLO), Human Plasma  | 7542     | 100 mg, 500 mg      |
| Transferrin, Rat Plasma   | 7543     | 1 mg                |
| Trypsin, Human Pancreas   | 7292     | 50 µg               |
| Urokinase, human urine  | 4793     | 100 µg, 1 mg        |
| Vitronectin, Human Plasma   | 4087     | 100 µg              |

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