

Recombinant Human ACAT-2

CATALOG #: 4910-10 10 µg
4910-1000 1 mg

LOT #: _____

BACKGROUND:

Acetyl-Coenzyme A acetyltransferase 2 (ACAT2) is an enzyme involved in lipid metabolism. Patients with ACAT2 deficiency have shown severe mental retardation and hypotonus. The ACAT2 gene shows complementary overlapping with the 3 prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation.

SOURCE:

Recombinant human ACAT-2 produced from *E.coli*. A polypeptide made of amino acids 1-397, containing T7 tag at N-terminus.

MOL. WEIGHT: 41.3 kDa

PURITY: >95% by SDS-PAGE, HPLC

FORM: Sterile filtered solution (1 mg/ml) in 10 mM Tris, pH 8.0, 0.1% Triton X-100 and 0.002% NaN₃.

SHIPPING: Ship on blue ice

STORAGE: Stable at 4°C for 1 week. Recommend to store at -20°C. For long term storage, it is recommended to add a carrier protein (0.1% BSA). Avoid freeze/thaw cycles.

HANDLING: For maximum product recovery, centrifuge the vial prior to opening. After reconstitution, aliquote and store at -20°C. Stable for up to 3 months. Avoid freeze/thaw cycle.

For Research Use Only! Not for Use in Humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies