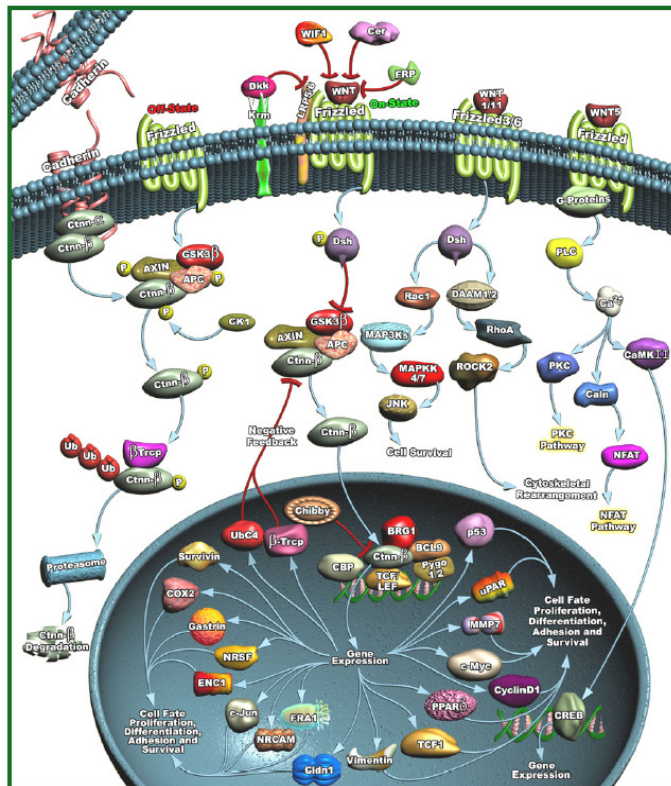


# GSK3 Signaling Pathway



GSK3 (Glycogen Synthase Kinase-3) is a serine/threonine protein kinase found in all eukaryotes. It can regulate numerous signaling pathways including WNT, Growth Factors, Insulin, RTK (Receptor Tyrosine Kinases), Hedgehog pathways, GPCR (G-Protein-Coupled Receptors) etc. It is involved in a wide range of signal transduction cascades involving cellular processes, ranging from glycogen metabolism, cell development, gene transcription, protein translation to cytoskeletal organization, cell cycle regulation, proliferation and apoptosis. GSK3 signaling pathway has been implicated in a number of diseases, including Type II diabetes (Diabetes mellitus type 2), Alzheimer's Disease, inflammation, cancer, bipolar disorder etc. Since GSK3 is involved in many pathophysiological processes and diseases, it is a tempting therapeutic target. BioVision offers numerous Antibodies, Recombinant Proteins, Small Molecular Inhibitors and Assay Kits to further study this signaling pathway.

## Product Highlights:

- Tested and Validated Antibodies
- Highly Pure and Active Recombinant Proteins
- Small Molecule Inhibitors Targeting Different Components of the GSK3 Signaling Pathway
- Highly Potent, Selective and Many Inhibitor Options to Choose From

## Antibodies

Product Name	Cat. No.	Size
Akt Activated Cell Lysate	7036	1 mg
Akt Negative Control Cell Lysate	7035	1 mg
Akt/PKB Antibody	3247	30 µg, 100 µg
Akt2 Antibody	3155	100 µg
Akt3 Antibody	3159	100 µg
Anti-LGR5 Antibody	A1007	100 µl
Anti-ROR2 Antibody	A1460	30 µg, 100 µg
BMP-10 Antibody	5581	30 µg, 100 µg
BMP-12 Antibody	5572	100 µg
BMP-13 Antibody	3823	30 µg, 100 µg
BMP-14 Antibody	5580	30 µg, 100 µg

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)

## Antibodies

Product Name	Cat. No.	Size
BMP-2 Antibody	5672	30 µg, 100 µg
BMP-3 Antibody	5673	100 µg
BMP-3 Antibody	5673R	30 µg, 100 µg
BMP-4 Antibody	5674A	30 µg, 100 µg
BMP-4 Antibody	5674R	30 µg, 100 µg
BMP-5 Antibody	5675R	30 µg, 100 µg
BMP-6 Antibody	5676R	30 µg, 100 µg
BMP-7 Antibody	5677R	30 µg, 100 µg
BMP-7 Antibody	5677	100 µg
Cadherin Antibody	3365R	30 µg, 100 µg
DKK1 Antibody	3851	30 µg, 100 µg
DKK2 Antibody	3802A	30 µg, 100 µg
DKK2 Antibody	3802R	30 µg, 100 µg
DKK3 Antibody	3893	30 µg, 100 µg
DKK4 Antibody	3894	30 µg, 100 µg
Dvl3 Antibody	3684R	30 µg, 100 µg
GSK-3a Antibody	3493	100 µg
GSK-3b Antibody	3494	30 µg, 100 µg
GSK-3a Antibody	6674	30 µl, 100 µl
ILK1 Antibody	3423	30 µg, 100 µg
LRP-5/6 Antibody	3714	30 µg, 100 µg
Phospho-Akt Antibody	3257	100 µg
Phospho-GSK-3α Antibody	3516	100 µg
Phospho-GSK-3β Antibody	3495	100 µg
PLC gamma 2 Antibody	3587	100 µg
PLC gamma 2 Antibody	3587R	30 µg, 100 µg
PLC gamma 2 Antibody	3710	30 µg, 100 µg
ROR2 Antibody	6702	100 µl
ROR2 Antibody (CT)	6701	100 µl
ROR2 Antibody (NT)	6700	100 µl
Wnt-1 Antibody	3571	30 µg, 100 µg
Wnt-1 Antibody	5754	30 µg, 100 µg
Wnt-2 Antibody	3572R	30 µg, 100 µg
Wnt-6 Antibody	3570	30 µg, 100 µg

## Proteins/Enzymes

Product Name	Cat. No.	Size
Akt1, Active	7701	100 µg, 5 µg
Akt2, Active	7702	100 µg, 5 µg
Akt3, Active	7703	100 µg, 5 µg
BMP-10, human recombinant	4581	20 µg, 100 µg, 1 mg
BMP-11, human recombinant	4576	10 µg, 100 µg, 1 mg
BMP-12/GDF-7, human recombinant	4572	20 µg, 100 µg, 1 mg
BMP-13, human recombinant	4639	10 µg, 50 µg, 1 mg
BMP-2, human recombinant	4577	10 µg, 50 µg, 1 mg
BMP-4, human recombinant	4578	10 µg, 50 µg, 1 mg

## Proteins/Enzymes

Product Name	Cat. No.	Size
BMP-6, human recombinant	4911	10 µg, 50 µg, 1 mg, 10 mg
BMP-7, human recombinant	4579	10 µg, 50 µg, 1 mg
Human CellExp™ DKK-1, Human Recombinant	7132	10 µg, 50 µg
GDF9, human recombinant	4872	20 µg, 100 µg, 1 mg
GSK-3α-GST Fusion Protein	7003	100 µg
GSK-3β, human recombinant	7004	10 µg, 50 µg, 1 mg
Human CellExp™ ROR2 / NTRKR2, Mouse Recombinant	P1180	10 µg, 50 µg
Ubiquitin, human recombinant	4841	100 µg, 1 mg
WNT-1, human recombinant	4754	10µg, 50 µg, 1 mg
WNT-7a, Human Recombinant	P1195	20 µg, 100 µg

## Assay Kits

Product Name	Cat. No.	Size
Actin Polymerization/ Depolymerization Assay Kit (Fluorometric)	K457	100 assays
Akt Activity Assay Kit, KinaseSTAR	K435	40 assays
β-catenin (rat) ELISA Kit	K3383	100 assays
β-catenin (mouse) ELISA Kit	K3382	100 assays
β-catenin (human) ELISA Kit	K3381	100 assays

## Wnt/β-Catenin Signaling Pathway

Product Name	Cat. No.	Size	CAS No.
BML-284	B1077	10 mg, 50 mg	853220-52-7
CRT Inhibitor, iCRT5	1896	5 mg, 25 mg	N/A
FH535	2657	5 mg, 25 mg	108409-83-2
IM-12	2822	5 mg, 25 mg	1129669-05-1
IQ-1	1663	1 mg	331001-62-8
IWP-2	1962	5 mg, 25 mg	686770-61-6
IWP-3	2349	1 mg, 5 mg	687561-60-0
IWP-4	2650	1 mg, 5 mg	686772-17-8
JW55	2612	5 mg, 25 mg	664993-53-7
LGK974	2645	1 mg, 5 mg	1243244-14-5
QS11	1680	5 mg	944328-88-5
WIKI-4	B1630	5 mg, 25 mg	838818-26-1
Wnt Antagonist, C59	2063	1 mg, 5 mg	1243243-89-1
EZSolution™ Wnt Antagonist, C59	9493	1 mg	1243243-89-1
XAV939	1727	1 mg	284028-89-3

## Inhibitors

### Akt Inhibitors

Product Name	Cat. No.	Size	CAS No.
Afuresertib hydrochloride	B1848	5 mg, 25 mg	1047645-82-8
Akt Inhibitor (10-NCP)	2338	1 mg, 5 mg	925681-41-0
Akt Inhibitor, Isozyme-Selective	1708	1 mg	612847-09-3
Akt-I-1	B1610	1 mg, 5 mg	473382-39-7
AT7867	B2178	1 mg, 5 mg	857531-00-1
Cordycepin	2078	50 mg, 10 mg	73-03-0

## Akt Inhibitors

Product Name	Cat. No.	Size	CAS No.
(-)-Deguelin	B2096	5 mg, 25 mg	522-17-8
GDC-0068	2667	1 mg, 5 mg	1001264-89-6
GSK-2110183	B1089	1 mg, 5 mg	1047634-63-8
GSK-690693	2272	5 mg, 25 mg	937174-76-0
Miransertib	B1931	5 mg, 25 mg	1313881-70-7
MK-2206	1888	500 µg, 1 mg	1032350-13-2
Perifosine (KRX-0401)	1592	5 mg, 25 mg	157716-52-4
PHT-427	2465	10 mg, 50 mg	1191951-57-1
DiscoveryPak™ PI 3-Kinase Inhibitor Set	K856	5 inhibitors	Multiple
SC66	1870	10 mg, 50 mg	871361-88-5
SH-5	1818	500 µg	701976-54-7
SH-6	1819	500 µg	701976-54-7
Triciribine	1707	1 mg	35943-35-2

## GSK3 Inhibitors

Product Name	Cat. No.	Size	CAS No.
Alsterpaullone	1897	1 mg, 5 mg	237430-03-4
1-Azakenpaullone	1944	1 mg, 5 mg	676596-65-9
BIO	1673	1 mg	667463-62-9
Bisindolylmaleimide I	1945	1 mg, 5 mg	133052-90-1
Bisindolylmaleimide I hydrochloride	1947	1 mg, 5 mg	176504-36-2
CHIR 99021	1677	5 mg, 25 mg	252917-06-9
CHIR 99021 trihydrochloride	B1199	5 mg, 25 mg	1782235-14-6
CHIR-98014	2595	1 mg, 5 mg	556813-39-9
Ezsolution™ CHIR-98014	2639	1 mg	556813-39-9
EZSolution™ CHIR99021	1748	5 mg	252917-06-9
EZSolution™ CHIR99021 trihydrochloride, Sterile-Filtered	B1219	1 ml	1782235-14-6
CP21R7	B1563	5 mg, 25 mg	125314-13-8
GSK-3 Inhibitor, AR-A014418	1953	2 mg, 5 mg	487021-52-3
DiscoveryPak™ GSK-3 Inhibitors Set	S237	8 Inhibitors	Multiple
GSK-3β Inhibitor, TWS119	1655	2 mg	601514-19-6
IM-12	2822	5 mg, 25 mg	1129669-05-1
Kenpaullone	1904	1 mg	142273-20-9
Leucettine L41	2617	1 mg, 5 mg	1112978-84-3
LY-2090314	B1043	5 mg, 25 mg	603288-22-8
Ro 31-8220 methanesulfonate	1946	1 mg, 5 mg	138489-18-6
SB 216763	1769	1 mg, 5 mg	280744-09-4
SB-415286	B1954	5 mg, 25 mg	264218-23-7
TDZD-8	2854	5 mg, 25 mg	327036-89-5
Tideglusib	9601	5 mg, 25 mg	865854-05-3
EZSolution™ TWS-119, Sterile-filtered	B2237	5 mg	601514-19-6

Please visit [www.biovision.com](http://www.biovision.com) for a comprehensive overview on our products.