Active Recombinant Mouse Gsk3b protein, His-tagged

Cat. No. Gsk3b-2521M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gsk3b protein(Q9WV60)(Met1-Thr420), fused with His tag, was expressed in Insect Cells.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Thr420
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 25% glycerol, 0.2mM DTT, pH 7.4Please contact us for any concerns or special requirements.Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. The specific activity was determined to be > 20 nmol/min/mg using synthetic Phospho-Glycogen Synthase Peptide-2 (YRRAAVPPSPSLSRHSSPHQpSEDEEE) as substrate.2. Immobilized His-mGSK3B at 10 μg/ml (100 μl/well) can bind biotinylated human HG3C-CTNNB1, EC50 of biotinylated human HG3C-CTNNB1 is 0.15-0.35 μg/ml.
Molecular Mass	The recombinant mouse GSK3B consists of 439 amino acids and has a calculated molecular mass of 49 kDa. It migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 75 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Gsk3b glycogen synthase kinase 3 beta [Mus musculus]
Official Symbol	Gsk3b
Synonyms	GSK3B; glycogen synthase kinase 3 beta; glycogen synthase kinase-3 beta; GSK-3 beta; serine/threonine-protein kinase GSK3B; GSK3; GSK-3; C86142; GSK-3beta; 7330414F15Rik; 8430431H08Rik;
Gene ID	56637
mRNA Refseq	NM_019827
Protein Refseq	NP_062801

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