

## Active Recombinant Mouse Gsk3b protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Gsk3b protein(Q9WV60)(Met1-Thr420), fused with His tag, was expressed in Insect Cells.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Thr420
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 75 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Gsk3b glycogen synthase kinase 3 beta [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Gsk3b
<b>Synonyms</b>	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;
<b>Gene ID</b>	56637
<b>mRNA Refseq</b>	NM_019827
<b>Protein Refseq</b>	NP_062801

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA