

Active Recombinant Human GSK3B protein, His-tagged

Cat. No. GSK3B-616H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human GSK3B protein(NP_002084.2) (Met 1-Thr 433) was expressed in Insect Cells, fused with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-433 aa
Form	Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 25% glycerol, 0.5mM PMSF, 0.5mM EDTA.
Bio-activity	1. The specific activity was determined to be 45 nmol/min/mg using synthetic Phospho-Glycogen Synthase Peptide-2 (YRRAAVPPSPSLSRHSSPHQpSEDEEE) as substrate. 2. Immobilized His-GSK3B 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 human GSK3B consists of 452 amino acids and predicts a molecular mass of 50.4 kDa. The apparent molecular mass of rhGSK3B is approximately 44-48 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
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Concentration	0.2-1.0 mg/mL.
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GENE INFORMATION

Gene Name	GSK3B glycogen synthase kinase 3 beta [Homo sapiens]
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Official Symbol	GSK3B
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Synonyms	GSK3B; glycogen synthase kinase 3 beta; glycogen synthase kinase-3 beta; GSK-3 beta; GSK3beta isoform; serine/threonine-protein kinase GSK3B;
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Gene ID	2932
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mRNA Refseq	NM_001146156
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Protein Refseq	NP_001139628
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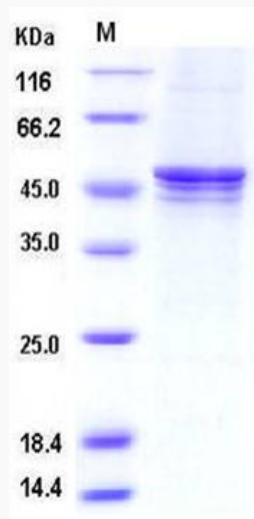
MIM	605004
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UniProt ID	P49841
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SDS-PAGE

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