Recombinant Human GSK3B Protein, His-tagged

Cat. No. GSK3B-2219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSK3B Protein (Lys122-Thr375) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys122-Thr375
Description	The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.6 kDa Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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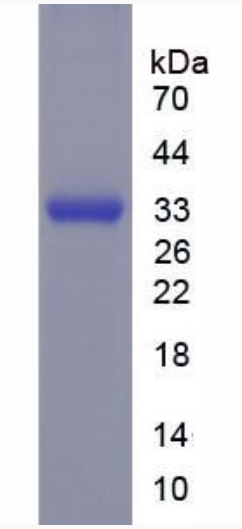
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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UniProt ID	P49841



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