

Recombinant Human GSK3B Protein, GST-tagged

Cat. No. GSK3B-4399H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GSK3B full-length ORF (AAH00251, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene
Molecular Mass	73.37 kDa
AA Sequence	MSGRPRTTSFAESCKPVQQPSAFGSMKVS RDKDGSKVTTVVATPGQGPD RPQEV SYTDTKVINGSGFGVVYQAKLCDSGELVAIKKVLQDKRFKNRELQIMRKLDHCNIVRL RYFFYSSGEKKDEVYLNVLVDYVPETVYRVARHYSRAKQTL PVIYVKLYMYQLFRSL AYIHSFGICH RDIKPQNLLLDPDTAVLKLCD FGS AKQLVRGEPNVS YICSRYYRAPELI FGATDYTSSIDVWSAGCVLAELLGQPIFP GDSGVDQLVEI I KVLGTP TREQIREMNP NYTEFKFPQIKAHPWTKDSSGTGHFTSGVRVFRP R TPPEAIALCSR LLEYTP TARLT PLEACAHSFFDEL RDPNVKLPNGR DTPALLNFTTQELSSNPPLATILIPPHARIQAAAS

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TPTNATAASDANTGDRGQTNNAASASASNST

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GSK3B glycogen synthase kinase 3 beta [Homo sapiens]

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

UniProt ID

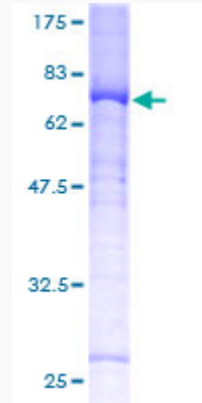
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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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