

Recombinant Full Length Human GSK3B Protein, GST-tagged

Cat. No. GSK3B-3329HF **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	In Vitro Cell Free System
ProteinLength	433 amino acids
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 RDKDGSKVTTVVATPGQGPDRPQEV SYTDTKVIGNGSFGVVYQAKLCDSGELVAIKKVLQDKRFKNRELQIMRKLDHCNIVRL RYFFYSSGEKKDEVYLNVLVDYVPETVYRVARHYSRAKQTLPIYVKLYMYQLFRSL AYIHSFGICHARDIKPQNLLLDPD TAVLKLCDFGSAKQLVRGEPNVSYICSRYYRAPELI FGATDYTSSIDVWSAGCVLAELL LGQPIFPGDSGVDQLVEI IKVLGTPTREQUIREMNP NYTEFKFPQIKAHPWTKDSSGTGHFTSGVRVFRPRTPEAIALCSRLLEYTPTARLT

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PLEACAHSFFDEL RDPNVKLPNGRDT PALLNFTTQELSSNPPLATILIPPHARIQAAAS
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

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UniProt ID

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