Recombinant Human GSK3B Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. GSK3B-012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GSK3B MS Standard C13 and N15-labeled recombinant protein (NP_002084) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	47.9 kDa
AA Sequence	MSGRPRTTSFAESCKPVQQPSAFGSMKVSRDKDGSKVTTVVATPGQGPDRPQEV SYTDTKVIGNGSFGVVYQAKLCDSGELVAIKKVLQDKRFKNRELQIMRKLDHCNIVRL RYFFYSSGEKKDEVYLNLVLDYVPETVYRVARHYSRAKQTLPVIYVKLYMYQLFRSL AYIHSFGICHRDIKPQNLLLDPDTAVLKLCDFGSAKQLVRGEPNVSYICSRYYRAPELI FGATDYTSSIDVWSAGCVLAELLLGQPIFPGDSGVDQLVEIIKVLGTPTREQIREMNP NYTEFKFPQIKAHPWTKDSSGTGHFTSGVRVFRPRTPPEAIALCSRLLEYTPTARLT PLEACAHSFFDELRDPNVKLPNGRDTPALFNFTTQELSSNPPLATILIPPHARIQAAAS TPTNATAASDANTGDRGQTNNAASASASNSTTRTRPLEQKLISEEDLAANDILDYKD

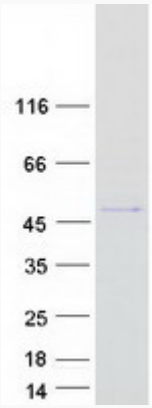
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	DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; glycogen synthase kinase 3 beta; GSK3beta isoform; glycogen synthase kinase-3 beta; GSK-3 beta; serine/threonine-protein kinase GSK3B; EC 2.7.11.1; EC 2.7.11.26
Gene ID	2932
mRNA Refseq	NM_002093
Protein Refseq	NP_002084
MIM	605004

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UniProt ID	P49841
SDS-PAGE	

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