

Recombinant Human GSK3A Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. GSK3A-055H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GSK3A MS Standard C13 and N15-labeled recombinant protein (NP_063937) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a multifunctional Ser/Thr protein kinase that is implicated in the control of several regulatory proteins including glycogen synthase, and transcription factors, such as JUN. It also plays a role in the WNT and PI3K signaling pathways, as well as regulates the production of beta-amyloid peptides associated with Alzheimer's disease.
Molecular Mass	51 kDa
AA Sequence	MSGGGPSGGGPGGSGRARTSSFAEPGGGGGGGGGGPGGSASGPGGTGGGKAS VGAMGGGVGASSSGGGPGGSGGGGSGGPGAGTSFPPPGVKLGRDSGKVTTVVA TLGQGPERSQEVAYTDIKVINGSGFGVVYQARLAETRELVAIKKVLQDKRFKNRELQI MRKLDHCNIVRLRYFFYSSGEKKDELYLNLVLEYVPETVYRVARHFTKAKLTIPILYVK VYMYQLFRSLAYIHSQGVCHRDIKPQNLLVDPDTAVLKLCDFGSAKQLVRGEPNVS YICSRYYRAPELIFGATDYTSSIDVWSAGCVLAELLGQPIFPGDSGVDQLVEIHKVLGT PTREQUIREMNPNYTEFKFPQIKAHPWTKVFKSRTPPEAIALCSSLLEYTPSSRLSPLE ACAHSFFDELRLCLGTQLPNNRPLPPLFNFSAGELSIQPSLNAILIPPHLRSPAGTTTTLT

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	PSSQALTETPTSSDWQSTDATPTLTNSSTRTRPLEQKLISEEDLAANDILDYKDDDD KV
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	GSK3A glycogen synthase kinase 3 alpha [Homo sapiens (human)]
Official Symbol	GSK3A
Synonyms	GSK3A; glycogen synthase kinase 3 alpha; DKFZp686D0638; glycogen synthase kinase-3 alpha; GSK-3 alpha; serine/threonine-protein kinase GSK3A; EC 2.7.11.1; EC 2.7.11.26
Gene ID	2931
mRNA Refseq	NM_019884
Protein Refseq	NP_063937
MIM	606784

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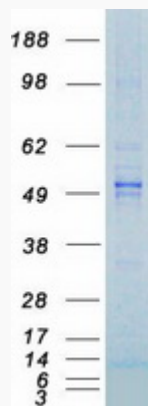
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UniProt ID

P49840

SDS-PAGE

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