

Recombinant Human GSK3A Protein, GST-tagged

Cat. No. GSK3A-4397H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GSK3A full-length ORF (AAH27984.1, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Glycogen synthase kinase 3-alpha (GSK3A; EC {2.7.1.37}) is a multifunctional protein serine kinase, homologous to Drosophila shaggy (zeste-white3) and implicated in the control of several regulatory proteins including glycogen synthase (see GYS1, {138570}) and transcription factors (e.g., JUN, {165160}). It also plays a role in the WNT ({164820}) and PI3K (see PIK3CG, {601232}) signaling pathways (see review by {1:Ali et al. (2001)}). [supplied by OMIM
Molecular Mass	77.4 kDa
AA Sequence	MSGGGPSGGGPGGSGRARTSSFAEPGGGGGGGGGGPGGASGPGGTGGGKAS VGAMGGGVGASSSGGGPGGSGGGGSGGPGAGTSFPPPGVKLGRDSGKVTTVVA TLGQGPERSQEVAYTDIKVINGNSFGVVYQARLAETRELVAIKKVLQDKRFKNRELQI MRKLDHCNIVRLRYFFYSSGEKKDELYLNLVLEYVPETVYRVARHFTKAKLTIPILYVK VYMYQLFRSLAYIHSQGVCHRDIKPNLLVDPDTAVLKLCDFGSAKQLVRGEPNVS Y ICSRYRRAPELIFGATDYTSSIDVWSAGCVLAELLGQPIFPGDSGVDQLVEIIVLGT PTREQUIREMNPNYTEFKFPQIKAHPWTKVFKSRTPPEAIALCSSLLEYTPSSRLSPLE ACAHSFFDELRLCLGTQLPNNRPLPPLFNFSAGELSIQPSLNAILIPPHLRSPAGTTTTL

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PSSQALTETPTSSDWQSTDATPTLTNSS

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

GSK3A glycogen synthase kinase 3 alpha [Homo sapiens]

Official Symbol

GSK3A

Synonyms

GSK3A; glycogen synthase kinase 3 alpha; glycogen synthase kinase-3 alpha; GSK-3 alpha; serine/threonine-protein kinase GSK3A; DKFZp686D0638;

Gene ID

2931

mRNA Refseq

NM_019884

Protein Refseq

NP_063937

MIM

606784

UniProt ID

P49840

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