

Full-Length

GSK3A (Human) Recombinant Protein (P01)

Catalog # H00002931-P01

Size 50 ug

Specification

Product Description	Human GSK3A full-length ORF (AAH27984.1, 1 a.a. - 483 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGGGPSGGGPGGSGRARTSSFAEPGGGGGGGGGGPGGSASGPGGTGGGKASVGAMGGGV GASSSGGGPGGSGGGGSGGPGAGTSFPPPGVKLGRDSGKVTTVVATLGQGPERSQEVAYTDIK VINGNSFGVVYQARLAETRELVAIKKVLQDKRFKNRELQIMRKLDHCNVRLRYFFYSSGEKKDELY LNLVLEYVPETVYRVARHFTKAKLTIPILYKVYMYQLFRSLAYIHSQGVCHRDIKPQNLLVDPDTAV LKLCDFGSAKQLVRGEPNVSYICSRYYRAPELIFGATDYTSSIDVWSAGCVLAELLGQPIFPGDS GVDQLVEIKVLGTPTREQUIREMNPNYTEFKFPQIKAHPWTKVFKSRTPEAIALCSSLLEYTPSSRL SPLEACAHSFFDELRLCLGTQLPNNRPLPPLFNFSAGELSIQPSLNAILIPPHLRSPAGTTTLTPSSQ ALTETPTSSDWQSTDATPTLTNSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	77.4
Interspecies Antigen Sequence	Mouse (94); Rat (97)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

Gene Info — GSK3A

Entrez GeneID [2931](#)

GeneBank Accession# [BC027984.1](#)

Protein Accession# [AAH27984.1](#)

Gene Name GSK3A

Gene Alias DKFZp686D0638

Gene Description glycogen synthase kinase 3 alpha

Omim ID [606784](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations -

Pathway

- [Chemokine signaling pathway](#)

Disease

- [Cognition](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)

- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)