

Recombinant Human Glycogen Synthase Kinase 3 Alpha, His-tagged

Cat. No. GSK3A-1234H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length GSK3A, His-tagged.
Species	Human
Source	Insect Cells
Description	GSK3Ais a multifunctional protein serine/threonine kinase implicated in thecontrol of several regulatory proteins and transcription factors.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.5 mM EGTA + 0.05% NP-40 + 5 mMDDTT + 50% glycerol.
Molecular Weight	53.7 kDa
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	GSK3A
Full Length	Full L.

GENE INFORMATION

Gene Name	GSK3A glycogen synthase kinase 3alpha [Homo sapiens]
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Synonyms	GSK3A; glycogen synthase kinase3 alpha; DKFZp686D0638; Glycogen synthase kinase-3 alpha; GSK-3 alpha; EC 2.7.11.26
Gene ID	2931
mRNA Refseq	NM_019884
Protein Refseq	NP_063937
MIM	606784
UniProt ID	P49840
Chromosome Location	19q13
Pathway	AKT phosphorylates targets in the cytosol; Activation of Chaperones by IRE1alpha; B Cell Receptor Signaling Pathway; Chemokine signaling pathway; Diabetes pathways; Dopaminergic synapse; Downstream signal transduction; FOXM1 transcription factor network; GAB1 signalosome; Glycogen Metabolism; IL-3 Signaling Pathway; IL-5 Signaling Pathway; Insulin Signaling; PI-3K cascade; PI3K/AKT activation; PIP3 activates AKT signaling
Function	ATP binding; protein binding; nucleotide binding; transferase activity; glycogen synthase kinase 3 activity; protein kinase A catalytic subunit binding; tau-protein kinase activity

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