

# Recombinant Human Glycogen Synthase Kinase 3 Alpha, His-tagged

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

## SPECIFICATION

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

## GENE INFORMATION

|                  |  |
|------------------|--|
| <b>Gene Name</b> | GSK3A glycogen synthase kinase 3alpha [ Homo sapiens ] |
|------------------|--|

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|----------------------------|---|
| <b>Synonyms</b>            | GSK3A; glycogen synthase kinase3 alpha; DKFZp686D0638; Glycogen synthase kinase-3 alpha; GSK-3 alpha; EC 2.7.11.26  |
| <b>Gene ID</b>             | <a href="#">2931</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_019884</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_063937</a>   |
| <b>MIM</b>                 | <a href="#">606784</a>  |
| <b>UniProt ID</b>          | P49840  |
| <b>Chromosome Location</b> | 19q13   |
| <b>Pathway</b>             | 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 |
| <b>Function</b>            | 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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