



Human GSK3A peptide (DAG-P1650)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen 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 Alzheimers disease. [provided by RefSeq, Oct 2011] |
| Purity | 70 - 90% by HPLC. |
| Conjugate | Unconjugated |
| Sequence Similarities | Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. GSK-3 subfamily. Contains 1 protein kinase domain. |
| Format | Liquid |
| Preservative | None |
| Storage | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

GENE INFORMATION

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| Gene Name | GSK3A glycogen synthase kinase 3 alpha [Homo sapiens (human)] |
| Official Symbol | GSK3A |
| Synonyms | GSK3A; glycogen synthase kinase 3 alpha; glycogen synthase kinase-3 alpha; GSK-3 alpha; serine/threonine-protein kinase GSK3A; |
| Entrez Gene ID | 2931 |

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| mRNA Refseq | NM_019884.2 |
| Protein Refseq | NP_063937.2 |
| UniProt ID | P49840 |
| Chromosome Location | 19q13.2 |
| Pathway | AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events mediated by Akt, organism-specific |
| Function | ATP binding; protein binding; protein kinase A catalytic subunit binding; protein serine/threonine kinase activity; tau-protein kinase activity; |