

Recombinant Human GSK3B (C-79aa), His-tagged

Cat. No. GSK3B-2857H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The protein was expressed as 6*his-tagged fusion protein by E. coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
Description	Glycogen synthase kinase 3 beta, also known as GSK3B, is an enzyme that in humans is encoded by the GSK3B gene
Sequence	C-79aa
Storage buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
Storage	The protein is stored in PBS buffer at - 20°C. Repeated freeze-thaw cycles should be avoided.

GENE INFORMATION

Gene Name	GSK3B glycogen synthase kinase 3 beta [Homo sapiens]
Official Symbol	GSK3B
Synonyms	GSK3B; glycogen synthase kinase 3 beta; Glycogen synthase kinase-3 beta; GSK-3

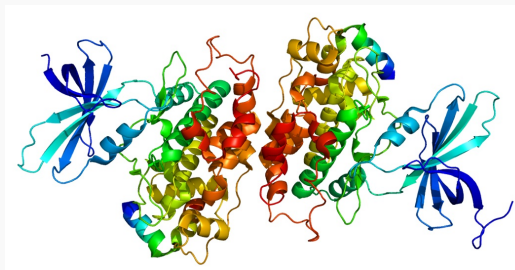
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	beta; EC 2.7.11.26; glycogensynthase kinase -3 beta; GSK3beta isoform
Gene ID	2932
mRNA Refseq	NM_001146156
Protein Refseq	NP_001139628
MIM	605004
UniProt ID	P49841
Chromosome Location	3q13.3
Pathway	Chemokine signaling pathway;Alzheimer"s disease; Axon guidance; B cell receptor signaling pathway;Basal cell carcinoma; Cell cycle; Colorectal cancer; Endometrial cancer; ErbBsignaling pathway; Focal adhesion; Hedgehog signaling pathway; Insulinsignaling pathway; Melanogenesis; Neurotrophin signaling pathway; Prostatecancer; T cell receptor signaling pathway; Wnt signaling pathway; Axonguidance; Signaling by Wnt; Signalling by NGF
Function	ATP binding; nucleotidebinding; transferase activity; glycogen synthase kinase 3 activity; proteinkinase A catalytic subunit binding; tau-protein kinase activity; NF-kappaBbinding; beta-catenin binding; p53 binding

PDB rendering based
on 1gng.



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