

GSK3beta recombinant protein

GSK3beta, Active

CATALOG # AAA72988	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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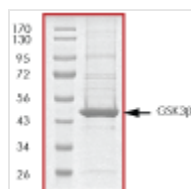
PRODUCT SYNONYMS

GSK3beta; Active; GSK3beta recombinant protein

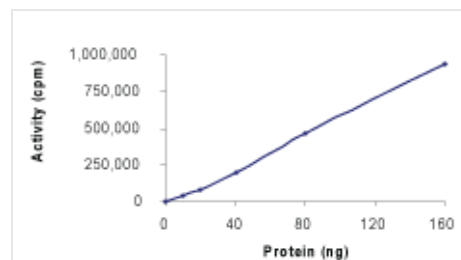
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 2mM DTT, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	7134
Applicable Applications for GSK3beta recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	HIS tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for GSK3beta recombinant protein

Description: Recombinant full-length human GSK3beta was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.

Scientific Background: GSK3beta is a serine threonine protein kinase that was originally identified as the kinase that phosphorylates and inhibits glycogen synthase (1). GSK3beta is ubiquitously present in human tissues and implicated in the regulation of several physiological processes, including the control of glycogen and protein synthesis by insulin, modulation of the transcription factors AP-1 and CREB. Transient transfection of human GSK3beta into Chinese hamster ovary cells stably transfected with individual human tau isoforms leads to hyperphosphorylation of tau at all the sites investigated with phosphorylation-dependent anti-tau antibodies (2).

Product Categories/Family for GSK3beta recombinant protein	Enzymes; Active Kinases
References	1. Sutherland C. et al: Inactivation of glycogen synthase kinase 3 beta by phosphorylation: new kinase connections in insulin and growth-factor signalling. Biochem J. 1993 Nov 15;296 (Pt 1):15-9. 2. Sperber BR, Leight S, Goedert M, Lee VM. Glycogen synthase kinase-3 beta phosphorylates tau protein at multiple sites in intact cells. Neurosci Lett. 1995 Sep 8;197 (2):149-53.

NCBI AND UNIPROT INFORMATION

NCBI GI #	225903415
NCBI GeneID	2932
NCBI Accession #	NM_002093.3
NCBI GenBank Nucleotide #	NM_002093
Molecular Weight	~48 kDa
NCBI Official Full Name	Homo sapiens glycogen synthase kinase 3 beta (GSK3B), transcript variant 1, mRNA
NCBI Official Synonym Full Names	glycogen synthase kinase 3 beta
NCBI Official Symbol	GSK3B
NCBI Protein Information	glycogen synthase kinase-3 beta
UniProt Protein Name	Glycogen synthase kinase-3 beta
UniProt Gene Name	GSK3B
UniProt Synonym Gene Names	GSK-3 beta

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/gsk3b-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/72988>