

Product datasheet for PH300468

GSK3 beta (GSK3B) (NM_002093) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GSK3B MS Standard C13 and N15-labeled recombinant protein (NP_002084)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200468
Predicted MW:	47.9 kDa
Protein Sequence:	>RC200468 representing NM_002093 Red=Cloning site Green=Tags(s) MSGRRPTTSFAESCKPVQQPSAFGSMKVSRLKDGSKVTTVVATPGQGPDPRQEVSYTDTKVIGNSGFGVV YQAKLCDSGELVAIKKVLQDKRFKNRELQIMRKL DHCNIVRLRYFFYSSGEKKDEVYLNLVLDYVPETVY RVARHYSRAKQTLPIIYVLYMYQLFRSLAYIHSFGICHRDIKPQNLLDPDTAVLKLCDFGSAKQLVRG EPNVSYICSRYYRAPELIFGATDYTSSIDVWSAGCVLAELLLGQPIFPGDSGVDQLVEIIKVLGTPTREQ IREMNPNYTEFKFPQIKAHPTWKDSSGTGHFTSGVRVFRPRTPEAIALCSRLLEYTPARLTPLEACAH SFFDEL RDPNVKLPNGRDTPALFNFTTQELSSNPPLATILIPPHARIQAAASTPTNATAASDANTGDRGQ TNNAAASASNST TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002084</u>
RefSeq Size:	1639
RefSeq ORF:	1299
Locus ID:	2932



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UniProt ID: [P49841](#)

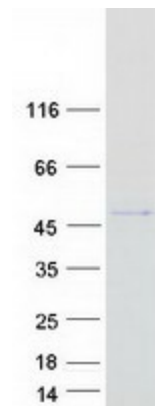
Cytogenetics: 3q13.33

Summary: The protein encoded by this gene is a serine-threonine kinase belonging to the glycogen synthase kinase subfamily. It is a negative regulator of glucose homeostasis and is involved in energy metabolism, inflammation, ER-stress, mitochondrial dysfunction, and apoptotic pathways. Defects in this gene have been associated with Parkinson disease and Alzheimer disease. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Alzheimer's disease, Axon guidance, Basal cell carcinoma, B cell receptor signaling pathway, Cell cycle, Chemokine signaling pathway, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Hedgehog signaling pathway, Insulin signaling pathway, Melanogenesis, Neurotrophin signaling pathway, Pathways in cancer, Prostate cancer, T cell receptor signaling pathway, Wnt signaling pathway

Product images:



Coomassie blue staining of purified GSK3B protein (Cat# [TP300468]). The protein was produced from HEK293T cells transfected with GSK3B cDNA clone (Cat# [RC200468]) using MegaTran 2.0 (Cat# [TT210002]).