

Product datasheet for **AR51323PU-N**

GSK3 beta (1-420) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GSK3 beta (1-420) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MSGRPRTTSF AESCKPVQQP SAFGSMKVS R DKDGSKVTTV VATPGQGPD R PQEVSYTDTK VINGSGFGV YQAKLCDSGE LVAIKKVLQD KRFKNRELQI MRKLDHCNIV RLRYFFYSSG EKKDEVYLN L VLDYVPETVY RVARHYSRAK QTLPIYVKL YMYQLFRSLA YHSFGICHR DIKPQNLLLD PDTAVLKLCD FGS AKQLVRG EPNVSYICSR YYRAPELIFG ATDYTSSIDV WSAGCVLAE L LLGQPIFPGD SGVDQLVEI I KVLGTP TREQ IREMNP NYTE FKFPQIKAHP WTKVFRP RTP PEAIALCSRL LEYTP TARLT PLEACAH SFF DELRDP NVKL PNGRDT PALF NFFTQELSSN PPLATILIPP HARIQAAAST PTNATAASDA NTGDRGQTNN AASASASNST
Predicted MW:	46 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GSK3B protein, without tag, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001139628
Locus ID:	2932
UniProt ID:	P49841 , Q6FI27
Cytogenetics:	3q13.33


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Synonyms: GSK-3 beta, Glycogen synthase kinase-3 beta, GSK3B

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:

