Recombinant Human CSNK2B Protein

Cat. No. CSNK2B-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CK2beta (1-215aa) without tag was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-215 a.a.
Description	This gene encodes the beta subunit of casein kinase II, a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	24.9 kDa confirmed by MALDI-TOF
Identity	215aa
AA Sequence	MSSSEEVSWISWFCGLRGNEFFCEVDEDYIQDKFNLTGLNEQVPHYRQALDMILDL EPDEELEDNPNQSDLIEQAAEMLYGLIHARYILTNRGIAQMLEKYQQGDFGYCPRVY

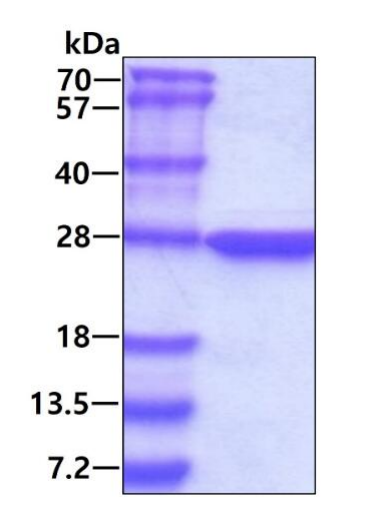
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	CENQPMLPIGLSDIPGEAMVKLYCPKCMDVYTPKSSRHHHTDGAYFGTGFPHMLFM VHPEYRPKRPANQFVPRLYGFKIHPMAYQLQLQAASNFKSPVKTIR
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.2M NaCl, 1mM DTT, 1mM EDTA

GENE INFORMATION

Gene Name	CSNK2B casein kinase 2 beta [Homo sapiens (human)]
Official Symbol	CSNK2B
Synonyms	CSNK2B; casein kinase 2 beta; G5A; CK2B; CK2N; Ckb1; Ckb2; CSK2B; POBINDS; casein kinase II subunit beta; CK II beta; CSNK2B-LY6G5B-1072; CSNK2B-LY6G5B-1103; CSNK2B-LY6G5B-532; CSNK2B-LY6G5B-560; CSNK2B-LY6G5B-562; Casein kinase II beta subunit; alternative name: G5a, phosvitin; casein kinase 2, beta polypeptide; phosvitin; protein G5a; EC 2.7.11.1
Gene ID	1460
mRNA Refseq	NM_001320

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Protein Refseq	NP_001311
MIM	115441
UniProt ID	P67870
SDS-PAGE	 3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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