

Recombinant Human CSNK2B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CSNK2B-731H Lot. No. (See product label)

SPECIFICATION

Product Overview	CSNK2B MS Standard C13 and N15-labeled recombinant protein (NP_001311) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	24.9 kDa
AA Sequence	MSSSEEVSWISWFCGLRGNEFFCEVDEDIYQDKFNLTGLNEQVPHYRQALDMILDLEPDEELEDNPNQSDLIEQAAEMLYGLIHARYILTNRGIAQMLEKYQQGDFGYCPRVYCENQPMLPIGLSDIPGEAMVKLYCPKCMDVYTPKSSRHHHTDGAYFGTGFPHMLFMVHPEYRPKR PANQFVPRLYGFKIHPMAYQLQLQAASNFKSPVKTIRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CSNK2B casein kinase 2 beta [Homo sapiens (human)]
Official Symbol	CSNK2B
Synonyms	CSNK2B; casein kinase 2, beta polypeptide; casein kinase II subunit beta; phosvitin; CK II beta; protein G5a; Casein kinase II beta subunit; alternative name: G5a, phosvitin; G5A; CK2B; CK2N; CSK2B; MGC138222; MGC138224;
Gene ID	1460
mRNA Refseq	NM_001320
Protein Refseq	NP_001311
MIM	115441
UniProt ID	P67870

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