

Product datasheet for PH311299

Casein Kinase 2 beta (CSNK2B) (NM_001320) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CSNK2B MS Standard C13 and N15-labeled recombinant protein (NP_001311)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211299
Predicted MW:	24.9 kDa
Protein Sequence:	>RC211299 protein sequence Red=Cloning site Green=Tags(s) MSSSEEVSWISWFCGLRGNEFFCEVDEDIQDKFNL TGLNEQVPHYRQALDMILDLEPDEELEDNPNQSD LIEQAAEMLYGLIHARYILTNRGIAQMLEKYQQGDFGYCPRVYCENQPMLPIGLSDIPGEAMVKLYCPKC MDVYTPKSSRHHHTDGAYFGTGFPHMLFMVHPEYRPKRPNQFVPRLYGFKIHPMAYQLQLQAASNFKSP VKTIR 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:	NP_001311
RefSeq Size:	1149
RefSeq ORF:	645
Synonyms:	CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDS
Locus ID:	1460
UniProt ID:	P67870 , N0E4C7



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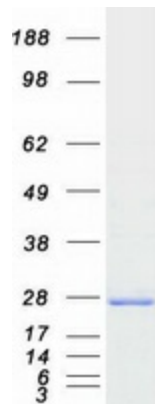
Cytogenetics: 6p21.33

Summary: 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. [provided by RefSeq, Sep 2013]

Protein Families: Druggable Genome

Protein Pathways: Adherens junction, Tight junction, Wnt signaling pathway

Product images:



Coomassie blue staining of purified CSNK2B protein (Cat# [TP311299]). The protein was produced from HEK293T cells transfected with CSNK2B cDNA clone (Cat# [RC211299]) using MegaTran 2.0 (Cat# [TT210002]).