

OriGene Technologies, Inc.

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Product datasheet for PH311299

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

Product data:

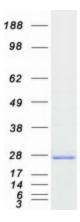
Nescription:CNXK2B MS Standard C13 and N15-labeled recombinant protein (NP_001311)Species:HumanSpecies:HEK293Expression cDNA CompositionRC211299Predicted MW:2.4.0 kDaPredicted MW:SRC211299 protein sequence Red=Cloning site Green=Tags(s)Protein Sequence:NSSSEEVSNFSGLGRANEFFCEVDEDV1Q0KFNLTGLNEQVPHYRQALDMILDEPDEELEDNPQSD LIEQAAEMLYGLTHARVILTNRGIAQMLEKYQQGDFGYCPRYYCENQPHM_FIGLSDIPGEAMWKLYCPKC WYTTR <ssrhhrdgayfgtgpfhmlfmwhfeyrrkranqfvprlygrkihpmayqlqaasnfksp </ssrhhrdgayfgtgpfhmlfmwhfeyrrkranqfvprlygrkihpmayqlqaasnfksp WYTTRTag:CMyc/DDKParty:Sos a determined by SDS-PAGE and Coomassie blue stainingGoncentration:Sos gu/µL as determined by microplate BCA methodAbeling Method:Label with (U-13CG, 15N4)-LArginin and (U-13CG, 15N2)-L-LysineBarfer:Sos a distermined by microplate BCA methodStorage:Sos and Storage Stor	Product Type:	Mass Spec Standards
Expression Host:HEK293Expression CDNA CloopRC211299Predicted MW:24.9 kDaProtein Sequence:RC211299 protein sequence RedeCloning site Green-Tags(s)Protein Sequence:RC211299 protein sequence RedeCloning site Green-Tags(s)MSSSEEVSUSSMFCGLROMEFFCEVDEDDIQDKFNLTGLEQDPHYRQALDHILDEPDEELEDPHYQSD LIEGAMEHVGLIHARYLTURKGIAPMLEKYQQEDF7CPRVYCENOPMLPIGLSDIPCEAMWKLYCPKC WDVTPKSSRHHHTDGAYFGTGPPHMLFMWHPEYRPKRPANQFVPRLYGFLIHPMAYQLQLQAASNFKSP VKTRTag:CMc/CDDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodBuffer:> 0.05 µg/µL as determined by microplate BCA methodBuffer:> Sim Tris-HCI, 100 mM glycine, pH 7.3Storage:> Sim Aris-HCI, 100 mM glycine, pH 7.3Storage:> Sibel for 3 months from receipt of products under proper storage and handling conditionsRefSeq ORF:> 4149RefSeq ORF:> 645Storage:> 1149Arise ORF:> 645Storage:> 1460	Description:	CSNK2B MS Standard C13 and N15-labeled recombinant protein (NP_001311)
Argession cDNA CloneRC211299Predicted MW:24.9 kDaProtein Sequence:RC211299 protein sequenceRed-Cloning site Green=Tags(s)MSSSEEVSWISWFCGLRGNEFFCEVDEDYIQOKFNLTGLNEQVPHYRQALDMILDLEPDEELEDNPNQSD LIEQAAEMLYGLTHARYILTNRGIAQMEEXYQQEDFGYCPRVYCENQPMLPIGLSDIPGEAWXKLYCPKC MYKTIRTag:CMyc/DDKTarRPLEQKLISEEDLAANDILDYKDDODKVFag:C-Myc/DDKPurity:90.5 µg/µL as determined by SDS-PAGE and Coomassie blue stainingConcentration:9.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Gitel Grift Green FrageStorage:Stora from crecipt of products under proper storage and handling conditionsRefSeq NE:149RefSeq ORF:645Storagn:149RefSeq ORF:6428;CK2N; Ckb2; CSK2B; G5A; POBINDSLocus ID:1460	Species:	Human
or AA Sequence:Predicted MW:24.9 kDaProtein Sequence:RC211299 protein sequenceRed=Cloning site Green=Tags(s)MSSSEEVSWISWFCGLRGNEFFCEVDEDYIQOKFNLTGLNEQVPHYRQALDMILDLEPDEELEDNPNQSD LIEQAAEMLYGLTHARYILTNRGIAQHLEKYQQGDFGYCPRVYCENQPMLPIGLSDIPGEAWWKLYCPKC MYKTIRTag:TATRPLEQKLISEEDLAANDILDYKDDDDKvTag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.5 nm Tris-HCI, 100 mM glycine, pH 7.3Storage:Stora et -80°C. Avoid repeated freeze-thaw cycles.RefSeq:MP 001311RefSeq Size:1149RefSeq ORF:645Synonyms:K2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDSLocus ID:1460	Expression Host:	HEK293
Protein Sequence:>RC211299 protein sequence Red=Cloning site Green=Tags(s)MSSSEEVSWISWFCGLRGNEFFCEVDEDY1QDKFNLTGLNEQVPHYRQALDMILDLEPDEELEDNPNQSD LIEQAAEMLYGLIARAYILTNRGIAQMLEKYQQGDFGYCPRYYCENQPMLPIGLSDIPGEAMVKLYCPKC MDVYTPKSSRHHHTDGAYFGTGFPHMLFMVHPEYRPKRPANQFVPRLYGFKIHPMAYQLQLQAASNFKSP VKTIRTag:C-Myc/DDKTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:1149RefSeq ORF:645Synonyms:CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDSLocus ID:1460	•	RC211299
Red=Cloning site Green=Tags(s)MSSSEEVSWISWFCGLRGNEFFCEVDEDYIQDKFNLTGLNEQVPHYRQALDMILDLEPDEELEDNPNQSD LIEQAAEMLYGLIHARYILTNRGIAQMLEKYQQGDFGYCPRVYCENQPMLPIGLSDIPGEAMVKLYCPKC MDVYTRKSSRHHHTDGAYFGTGFPHMLFMVHPEYRPKRPANQFVPRLYGFKIHPMAYQLQLQAASNFKSP VKTIRTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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_001311RefSeq ORF:645Synonyms:CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDSLocus ID:1460	Predicted MW:	24.9 kDa
LIEQAAEML YGL IHARYIL TNRGIAQMLEK YQQGDFGYCPRVYCENQPMLPIGLSDIPGEAMVKL YCPKC MDYYTPKSSRHHHTDGAYFGTGFPHMLFMVHPEYRPKRPANQFVPRLYGFKIHPMAYQLQLQAASNFKSP VKTIRTag:C-Myc/DDKTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:1149RefSeq ORF:645Synonyms:CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDSLocus ID:1460	Protein Sequence:	
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Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingPurity:> 80% as determined by microplate BCA methodConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 001311RefSeq ORF:645Synonyms:CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDSLocus ID:1460		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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RefSeq: NP 001311 RefSeq Size: 1149 RefSeq ORF: 645 Synonyms: CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDS Locus ID: 1460	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 1149 RefSeq ORF: 645 Synonyms: CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDS Locus ID: 1460	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
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Synonyms: CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDS Locus ID: 1460	RefSeq Size:	1149
Locus ID: 1460	RefSeq ORF:	645
	Synonyms:	CK2B; CK2N; Ckb1; Ckb2; CSK2B; G5A; POBINDS
UniProt ID: <u>P67870</u> , <u>N0E4C7</u>	Locus ID:	1460
	UniProt ID:	<u>P67870, N0E4C7</u>



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	Casein Kinase 2 beta (CSNK2B) (NM_001320) Human Mass Spec Standard – PH311299
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 Pathway	vs: 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]).

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