

Product datasheet for PH307229

CACNB3 (NM_000725) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CACNB3 MS Standard C13 and N15-labeled recombinant protein (NP_000716)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207229
Predicted MW:	54.4 kDa
Protein Sequence:	>RC207229 representing NM_000725 Red=Cloning site Green=Tags(s)

MYDDSYVPGFEDSEAGSADSYTSRPSLDSVSLDRESARREVESQAQQQLERAKHKPVFAVRTNVS
CGVLDEECPVQSGVNFQAKDFLHIKEKYSNDWWIGRLVKEGGDIAFIPSPQRLESIRLKQEQKARRSGN
PSSLSDIGNRRSPPSLAKQKQKQAEHVPPYDVVPSMRPVVLVGPVSLKGYEVTMMQKALFDFLKHFRFDG
RISITRVADLSLAKRSVLNPNPKRTIERSARSSIAEVQSEIERIFELAKSLQLVVLADTINHPAQL
AKTSLAPIIVFVKVSSPKVLQRLIRSRGKSQMKHLTVQMMAYDKLVQCPPEFSDVILDENQLEDACEHLA
EYLEVYWRATHHPAPGGLLGPPSAIPGLQNQQLLGERGEEHSPLERDSLMPSEASESSRQAWTGSSQR
SSRHLEEDYADAYQDLVQPHRQHTSGLPSANGHDPQDRLLAQDSEHNHSDRNWQRNRPWPKDSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_000716
RefSeq Size:	2714
RefSeq ORF:	1452
Synonyms:	CAB3; CACNLB3



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Locus ID: 784

UniProt ID: [P54284](#)

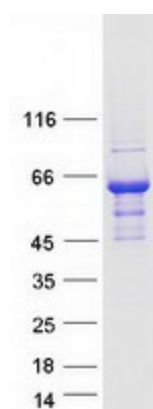
Cytogenetics: 12q13.12

Summary: This gene encodes a regulatory beta subunit of the voltage-dependent calcium channel. Beta subunits are composed of five domains, which contribute to the regulation of surface expression and gating of calcium channels and may also play a role in the regulation of transcription factors and calcium transport. [provided by RefSeq, Oct 2011]

Protein Families: Druggable Genome, Ion Channels: Other

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

Product images:



Coomassie blue staining of purified CACNB3 protein (Cat# [TP307229]). The protein was produced from HEK293T cells transfected with CACNB3 cDNA clone (Cat# [RC207229]) using MegaTran 2.0 (Cat# [TT210002]).