

## Product datasheet for TP307229M

### CACNB3 (NM\_000725) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calcium channel, voltage-dependent, beta 3 subunit (CACNB3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207229 representing NM_000725 Red=Cloning site Green=Tags(s)

MYDDSYVPGFEDSEAGSADSYSRPSLSDSDVSLEEDRESARREVESQAQQQLERAKHKPVAFVRTNVS  
CGVLDEECPVQSGSVNFEAKDFLHIKEKYSNDWWIGRLVKEGGDIAFIPSPQRLESIRLKQEQRARRSGN  
PSSLSDIGNRRSPPPSLAKQKQKQAEHVPPYDVVPSMRPVVLVGPVSLKGYEVTMMQKALFDLKHFRFDG  
RISITRVTADLSLAKRSVLNPNPGKRTIERSARSSIAEVQSEIERIFELAKSLQLVVLADDTINHPAQL  
AKTSLAPIIVFVKVSSPKVLQRLIRSRGKSMKHLTVQMMAYDKLVQCPPESEFDVILDENQLEDACEHLA  
EYLEVYWRATHHPAPGPGLLGPPSAIPGLQNGQLLGERGEEHSPLERDSLMPSEASESSRQAWTGSSQR  
SSRHLEEDYADAYQDLYQPHRQHTSGLPSANGHDPQDRLLAQDSEHNHSDRNWQRNRPWPKDSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	54.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000716](#)

Locus ID: 784

UniProt ID: [P54284](#)

RefSeq Size: 2714

Cytogenetics: 12q13.12

RefSeq ORF: 1452

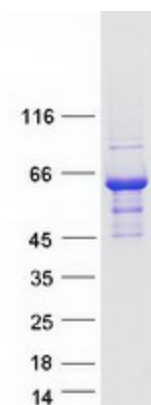
Synonyms: CAB3; CACNLB3

**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]).