

Product datasheet for TP307229

CACNB3 (NM_000725) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human calcium channel, voltage-dependent, beta 3 subunit (CACNB3), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207229 representing NM_000725 Red=Cloning site Green=Tags(s) |

MYDDSYVPGFEDSEAGSADSYSRPSLSDSDVSLEEDRESARREVESQAQQQLERAKHKPVAFVRTNVSY
CGVLDEECPVQGGVNFCAKDFLHIKEKYSNDWWIGRLVKEGGDIAFIPSPQRLESIRLKQEQKARRSGN
PSSLSDIGNRRSPPPSLAKQKQKQAEHVPPYDVVPSMRPVVLVGPVSLKGYEVTMMQKALFDLKHFRFDG
RISITRVTADLSLAKRSVLNPNPGKRTIERSARSSIAEVQSEIERIFELAKSLQLVLDADTINHPAQL
AKTSLAPIIVFVKVSSPKVLQRLIRSRGKSMKHLTVQMMAYDKLVQCPPEFDFVILDENQLEDACEHLA
EYLEVYWRATHHPAPGPGLLGPPSAIPGLQNGQLLGERGEEHSPLERDSLMPDSEASESSRQAWTGSSQR
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

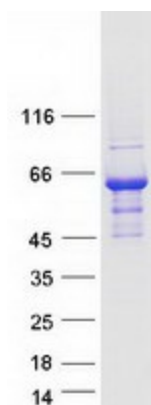
Synonyms: CAB3; CACNLB3

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]).