

Recombinant Full Length Human CACNB3 Protein, C-Flag-tagged

Cat. No. CACNB3-1450HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CACNB3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.4 kDa
AA Sequence	MYDDSYVPGFEDSEAGSADSYTSRPSLSDVSLEEDRESARREVESQAQQQLERA KHKPVAFVRTNVSY CGVLDEECPVQSGSVNFEAKDFLHIKEKYSNDWWIGRLVK EGGDIAFIPSPQRLESIRLKQEQKARRSGN PSSLSDIGNRRSPPPSLAKQKQKQAEH VPPYDVVPSMRPVVLVGP SLKGYEVTDMMQALFDLKH RFDG RISITRV TADLSLA KRSVLNNPGKRTIIERSSARSSIAEVQSEIERIFELAKSLQLVVL DADTINHPAQL AKT SLAPIIVFVKVSSPKVLQRLIRSRGKSQMKHLTVQMMAYDKLVQCPPE SFDVILDENQ LEDACEHLA EYLEVYWRATHHPAPGPGLLGPPSAIPGLQNQQLLGERGEEHSPLER DSLMP SDEASESSRQAWTGSSQR

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	SSRHLEEDYADAYQDLYQPHRQHTSGLPSANGHDPQDRLLAQDSEHNHSDRNWQ RNRPWPKDSYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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
Full Length	Full L.

GENE INFORMATION

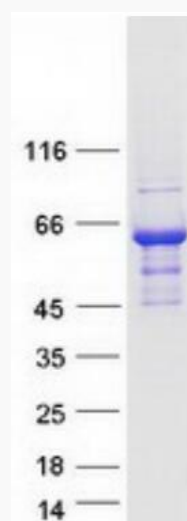
Gene Name	CACNB3 calcium voltage-gated channel auxiliary subunit beta 3 [Homo sapiens (human)]
Official Symbol	CACNB3
Synonyms	CAB3; CACNLB3

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Gene ID	784
mRNA Refseq	NM_000725.4
Protein Refseq	NP_000716.2
MIM	601958
UniProt ID	P54284



Coomassie blue staining of purified CACNB3 protein.