

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human CACNB3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	54.4 kDa
<b>AA Sequence</b>	<p>MYDDSYVPGFEDSEAGSADSYTSRPSLSDVSLEEDRESARREVESQAQQQLERA            KHKPVAFVAVRTNVSY CGVLDEECPVQSGSVNFEAKDFLHIKEKYSNDWWIGRLVK            EGGDIAFIPSPQRLESIRLKQEQKARRSGN PSSLSDIGNRRSPPPSLAKQKQKQAEH            VPPYDVVPSMRPVVLVGPLSLKGYEVTMMQKALFDLKHFRFDG RISITRVTADLSLA            KRSVLNPNPKRTIIRSSARSSIAEVQSEIERIFELAKSLQLVVLADDTINHPAQL AKT            SLAPIIVFVKVSSPKVLQRLIRSRGKSQMKHLTVQMMAYDKLVQCPPESEFDVILDENQ            LEDACEHLA EYLEVYWRATHHPAPGPGLLGPPSAIPGLQNQQLLGERGEEHSPLER            DSLMPSDEASESSRQAWTGSSQR</p>

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	SSRHLEEDYADAYQDLYQPHRQHTSGLPSANGHDPQDRLLAQDSEHNHSDRNWQ RNRPWPKDSYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Ion Channels: Other
<b>Protein Pathways</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway
<b>Full Length</b>	Full L.

## GENE INFORMATION

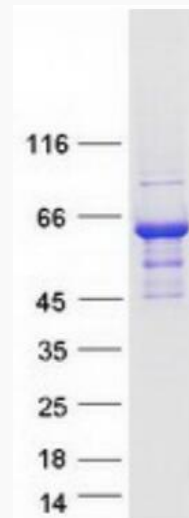
<b>Gene Name</b>	CACNB3 calcium voltage-gated channel auxiliary subunit beta 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CACNB3
<b>Synonyms</b>	CAB3; CACNLB3

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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.

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