Recombinant Human CACNB2, His-tagged

Cat. No. CACNB2-10639H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNB2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-184a.a.
Description	This gene encodes a subunit of a voltage-dependent calcium channel protein that is a member of the voltage-gated calcium channel superfamily. The gene product was originally identified as an antigen target in Lambert-Eaton myasthenic syndrome, an autoimmune disorder. Mutations in this gene are associated with Brugada syndrome. Alternatively spliced variants encoding different isoforms have been described.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CACNB2 calcium channel, voltage-dependent, beta 2 subunit [Homo sapiens]

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Official Symbol	CACNB2
Synonyms	CACNB2; calcium channel, voltage-dependent, beta 2 subunit; CACNLB2, MYSB; voltage-dependent L-type calcium channel subunit beta-2; CAB2; lambert-Eaton myasthenic syndrome antigen B; myasthenic (Lambert-Eaton) syndrome antigen B; calcium channel voltage-dependent subunit beta 2; MYSB; CAVB2; CACNLB2; FLJ23743;
Gene ID	783
mRNA Refseq	NM_000724
Protein Refseq	NP_000715
MIM	600003
UniProt ID	Q08289
Chromosome Location	10p12
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Axon guidance, organism-specific biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Depolarization of the Presynaptic Terminal Triggers the Opening of Calcium Channels, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	calcium channel activity; calcium channel regulator activity; protein binding; voltage-gated calcium channel activity; voltage-gated ion channel activity;

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