

Recombinant Human CACNB4 protein, His-tagged

Cat. No. CACNB4-10640H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CACNB4 protein(1-350 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-350 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	MSSSSYAKNGTADGPHSPTSQVARGTTTTRRSRLKRSDGTTSTSFILRQGSADSYT SRPSDSDVSLEEDREAIRQEREQQAAIQLERAKSKPVAFVKTNVSYCGALDEDVPV PSTAISFDAKDFLHIKEKYNNDDWWIGRLVKEGCEIGFIPSPLRLENIRIQQEQRGRFH GGKSSGNSSSSLGEMVSGTFRATPTSTAKQKQKVTEHIPYDVVPSMRPVVLVGPS LKGYEVTMMQKALFDLKHFRFDGRISITRVTADISLAKRSVLNNPSKRAIIERSNTRS SLAEVQSEIERIFELARSLQLVVLADDTINHPAQLIKTSLAPIIVHVKVSSPKVLQRLIKS RG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name [CACNB4 calcium channel,voltage-dependent,beta 4 subunit \[Homo sapiens \]](#)

Official Symbol [CACNB4](#)

Synonyms

CACNB4;Cavβ4 Calcium Channel;EA5;EJM;calcium channel,voltage-dependent,beta 4 subunit;CAB4;EIG9;EJM4;EJM6;CACNLB4;voltage-dependent L-type calcium channel subunit beta-4;calcium channel voltage-dependent subunit beta 4;dihydropyridine-sensitive L-type,cal

Gene ID [785](#)

mRNA Refseq [NM_000726](#)

Protein Refseq [NP_000717](#)

MIM [601949](#)

UniProt ID [O00305](#)

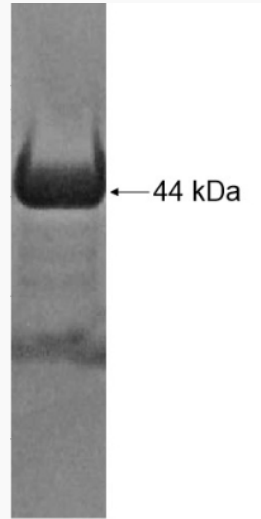
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SDS-PAGE



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