

Datasheet for ABIN7552830

CACNB4 Protein (AA 1-520) (His tag)



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Overview

Quantity:	1 mg
Target:	CACNB4
Protein Characteristics:	AA 1-520
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CACNB4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CACNB4 Protein expressed in mammalian cells.
Sequence:	<p> MSSSSYAKNG TADGPHSPTS QVARGTTTRR SRLKRS DGST TSTSFILRQG SADSYSRPS DSDVSLEEDR EAIRQEREQQ AAIQLERAKS KPVAFAVKTN VSYCGALDED VVPSTAISF DAKDFLHIKE KYNNDWWIGR LVKEGCEIGF IPSPLRLNI RIQQEQKRGR FHGGKSSGNS SSSLGEMVSG TFRATPTSTA KQKQKVTEHI PPYDVVPSMR PVVLVGPSLK GYEVTDMMQK ALFDFLKHFR DGRISITRVT ADISLAKRSV LNNPSKRAII ERSNTRSSLA EVQSEIERIF ELARSLQLVV LDADTINHPA QLIKTSLAPI IVHVKVSSPK VLQRLIKSRG KSQSKHLNVQ LVAADKLAQC PPEMFDVILD ENQLEDACEH LGEYLEAYWR ATHTTSSTPM TPLLGRNLGS TALSPYPTAI SGLQSQRMRH SNHSTENSPI ERRSLMTSDE NYHNERARKS RNRLSSSSQH SRDHYPLVEE DYPDSYQDTY KPHRNRGSPG GYSHDSRHRL </p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please</p>

contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

CACNB4

Alternative Name:

CACNB4 ([CACNB4 Products](#))

Background:

Voltage-dependent L-type calcium channel subunit beta-4 (CAB4) (Calcium channel voltage-dependent subunit beta 4),FUNCTION: The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting. {ECO:0000269|PubMed:11880487}.

Molecular Weight:

58.2 kDa

UniProt:

[O00305](#)

Pathways:

[cAMP Metabolic Process](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months