

Datasheet for ABIN7556165  
**CACNB3 Protein (AA 1-484) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CACNB3
Protein Characteristics:	AA 1-484
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CACNB3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Cacnb3 Protein expressed in mammalian cells.
Sequence:	<p>MYDDSYVPGF EDSEAGSADS YTSRPSLDSD VSLEEDRESA RREVESQAQQ QLERAKHKPV</p> <p>AFAVRTNVSY CGVLDEECVP QGSGVNFEAK DFLHIKEKYS NDWWIGRLVK EGGDI AFIPS</p> <p>PQRLESIRLK QEQAARRSGN PSSLGDIGNR RSPPPSLAKQ KQKQAEHVPP YDVVPSMRPV</p> <p>VLVGPSLKG Y EVDMMQKAL FDFLKHFRDG RISITRV TAD LSLAKRSVLN NPGKRTI IER</p> <p>SSARSSIAEV QSEIERIFEL AKSLQLVLD ADTINHPAQL AKTSLAPIIV FVKVSSPKVL QRLIRSRGKS</p> <p>QMKHLTVQMM AYDKLVQCPP ESFDVILDEN QLEDACEHLA EYLEVYWRAT HHPAPGPGLL</p> <p>GPPSAIPGLQ NQQLLGERVE EHSPLERDSL MPSDEASESS RQAWTGSSQR SSRHLEEDYA</p> <p>DAYQDLYQPH RQHTSGLPSA NGHDPQDRLL AQDSEHDHND RNWQRNRPWP KDSY <b>Sequence</b></p> <p><b>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 contact us.</b></p>

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	CACNB3
Alternative Name:	Cacnb3 ( <a href="#">CACNB3 Products</a> )
Background:	<p>Voltage-dependent L-type calcium channel subunit beta-3 (CAB3) (Calcium channel voltage-dependent subunit beta 3) (CCHB3),FUNCTION: Regulatory subunit of the voltage-gated calcium channel that gives rise to L-type calcium currents (PubMed:24751537). Increases CACNA1B peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity). Increases CACNA1C peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity).</p> <p>{ECO:0000250 UniProtKB:P54287, ECO:0000250 UniProtKB:Q9MZL3, ECO:0000269 PubMed:24751537}.</p>
Molecular Weight:	54.6 kDa
UniProt:	<a href="#">P54285</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a>

## 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