

Datasheet for ABIN7564469

CADPS2 Protein (AA 1-1297) (His tag)



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Overview

Quantity:	1 mg
Target:	CADPS2
Protein Characteristics:	AA 1-1297
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADPS2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Cadps2 Protein expressed in mammalian cells.
Sequence:	<p>MLDPSSSEEE SDEGLEEEESR EVLVAPGVSQ RAPPAAAREG RRDAPGRSGG GSGGGAARPV</p> <p>SPSPSVLSEG RNEPELQLDE EQERRIRLQL YVFVVRCIAY PFNAKQPTDM ARRQQKLNKQ</p> <p>QLQLLKERFQ AFLNGETQIV ADEAFCAVR SYEVLKSD RVARMVQSGG CSANDFREVF</p> <p>KKNIEKRVRS LPEIDGLSKE TVLSSWIAKY DAIRGEEDL CKQPNRMTLS AVSELILSKE</p> <p>QLYEMFQQIL GIKKLEHQLL YNACQLDNAD EQAAQIRREL DGRLQLAEKM AKERRFPRFI</p> <p>SKEMESMYIE ELRASVLLM ANLESLPVSK GGPEFKLQKL KRSQNSAFLD LGDENEIQLS</p> <p>KSDVVLSTFL EIVIMEVQGL KSVAPNRIVY CTMEVEGGEK LQTDQAEASR PQWGTQGDFN</p> <p>TTHPRPVVKV KLFTSTGVL ALEDKELGRV VLYPTSNSSK SAELHRMTVP KNSQSDSLKI</p> <p>KLAVRMDKPA HMKHSGYLYA LGQKVWKRWK KRYFVLVQVS QYTFAMCSYR EKKSEPELM</p> <p>QLEGYTVDYT DPHPGLQGGQ VFFNAVKEGD TVIFASDDEQ DRILWVQAMY RATGQSYKPV</p> <p>PAVQSQKLNK KGGALHADAQ LYADRFQKHG MDEFISASPC KLDHAFLFRI LQRQTLDHRL</p>

NDSYSCLGWF SPGQVFVLDE YCARYGVRGC HRHLCYLTEL MEHSENGAVI DPTLLHYSFA
FCASHVHG NR PDGIGTVSVE EKERFEEIKD RLSSLLENQI SHFRYCFPFG RPEGALKATL
SLLERVLMKD IATPIAAEEV KKVVRKCLEK AALINYTRLT EYAKIEETMN QATPARKLEE
VLHLAELCIE VLQQNEEHHA EGREAFWWP DLLAEHAEKF WALFTVDMDT ALEAQPQDSW
DSFPLFQLLN NFLRNDTLLC NGKFHKHLQE IFVPLVVRVYV DLMESAIAQS IHRGFEQETW
QPVKNIANSL PNVALPKVPS LPLNLPQIPS FSTPPWMASL YESTNGSTTS EDLFWKLDAL
QMFVFDLHWP EQEFAHHLEQ RLKLMASDMI EACVKRTRTA FELKLQKANK TTDLRIPASV
CTMFNVLVDA KKQSTKLCAL DGGQEQQYHS KIDDLIDNTV KEIALLVSK FVSVLEGVLS
KLSRYDEGTF FSSILSFTVK AAAKYVDVPK PGMDLADTYI MFVRQNQDIL REKVNEEMYI
EKLFDQWYSN SMKVICWLA DRLDLQLHIY QLKTLIKIVK KTYRDFRLQG VLEGTLSNKT
YDTLHRLTV EEATASVSEG GGLQGITMKD SDEEEEG **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 contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <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:	CADPS2
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Target Details

Alternative Name:	Cadps2 (CADPS2 Products)
Background:	Calcium-dependent secretion activator 2 (Calcium-dependent activator protein for secretion 2) (CAPS-2),FUNCTION: Calcium-binding protein involved in exocytosis of vesicles filled with neurotransmitters and neuropeptides. Probably acts upstream of fusion in the biogenesis or maintenance of mature secretory vesicles. Regulates neurotrophin release from granule cells leading to regulate cell differentiation and survival during cerebellar development. May specifically mediate the Ca(2+)-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles.
Molecular Weight:	147.8 kDa
UniProt:	Q8BYR5
Pathways:	Synaptic Vesicle Exocytosis

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.
Restrictions:	For Research Use only

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