

Datasheet for ABIN7552964

CADPS2 Protein (AA 1-1296) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CADPS2
Protein Characteristics:	AA 1-1296
Origin:	Human
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 SDEGLEEESR DVLVAAGSSQ RAPPAPTREG RRDAPGRAGG GGAARSVSPS</p> <p>PSVLSEGRDE PQRQLDDEQE RRIRLQLYVF VVRCIAYPFN AKQPTDMARR QQKLNKQQLQ</p> <p>LLKERFQAFL NGETQIVADE AFCNAVRSYY EVFLKSDRVA RMVQSGGCSA NDFREVFKKN</p> <p>IEKRVRSLE IDGLSKETVL SSWIAKYDAI YRGEEDLCKQ PNMALSAVS ELILSKEQLY</p> <p>EMFQQILGIK KLEHQLLYNA CQLDNADEQA AQIRRELDGR LQLADKMAKE RKFPKFIKD</p> <p>MENMYIEELR SSVNLLMANL ESLPVSKGGP EFKLQKLKRS QNSAFLDIGD ENEIQLSKSD</p> <p>VVLSFTLEIV IMEVQGLKSV APNRIVYCTM EVEGEKLQTD QAEASRPQWG TQGDFTTTHP</p> <p>RPVVKVKLFT ESTGVLALED KELGRVILYP TSNSSKSAEL HRMVVPKNSQ DSDLKIKLAV</p> <p>RMDKPAHMKH SGYLYALGQK VWKRWKKRYF VLVQVSQYTF AMCSYREKKS EPQELMQLEG</p> <p>YTVDYTDPHP GLQGGCMFFN AVKEGDTVIF ASDDEQDRIL WVQAMYRATG QSYKPVPAIQ</p> <p>TQKLNPKGGT LHADAQLSGK DADRFQKHGM DEFISANPCK LDHAFLFRIL QRQTLDHRLN</p>

DSYSCLGWFS PGQVFLDEY CARYGVRGCH RHLCYLAELM EHSENGAVID PTLLHYSFAF
CASHVHGNRP DGIGTVSVEE KERFEEIKER LSSLLENQIS HFRYCFPFGR PEGALKATLS
LLERVLMKDI ATPIPAEVVK KVVRCLEKA ALINYTRLTE YAKIEETMNQ ASPARKLEEI
LHLAELCIEV LQQNEEHAE GREAFWWPD LLAEHAEKFW ALFTVDMDTA LEAQPQDSWD
SFPLFQLLNN FLRNDTLLCN GKFHKLQEI FVPLVVRVYD LMESSIAQSI HRGFEQETWQ
PVKNIANSPL NVALPKVPSL PLNLPQIPNI STASWMPSTLY ESTNGSATSE DLFWKLDALQ
MFVFDLHWPE QEFAHHLEQR LKLMSDML EACVKRTRTAF ELKLQKASKT TDLRIPASVC
TMFNVLVDAK KQSTKLCA LDGGQEQYH SKIDDLIDNSVK EIISLLVSKF VSVLEGVLSK
LSRYDEGTFF SSILSFTVKA AAKYVDV PKPGMDLADTYIM FVRQNQDILR EKVNEEMYIE
KLFDQWYSSS MKVICVWLT DRLDLQLHIYQ LKTLIKIVKK TYRDFRLQGV LEGTLNSKTY
DTVHRRLTVE EATASVSEGG GLQGITMKDS DEEEEG **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>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	CADPS2
---------	--------

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 (By similarity). {ECO:0000250}.
Molecular Weight:	147.7 kDa
UniProt:	Q86UW7
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