

Datasheet for ABIN7564233
CADPS Protein (AA 1-1355) (His tag)



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Overview

Quantity:	1 mg
Target:	CADPS
Protein Characteristics:	AA 1-1355
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADPS protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cadps Protein expressed in mammalien cells.
Sequence:	<p>MLDPSSSEEE SDEILEEERG KDVLGSAASG ARLSPSRTSE GSAGSAGMGG SGAGAGVGAG GGGGSGASSG GGAGGLQPSS RAGGGRPSSP SPSVSEKEK EELERLQKEE EERKKRLQLY VFVMRCIAYP FNAKQPTDMA RRQQKISKQQ LQTVKDRFQA FLNGETQIVA DEAFMNAVQS YYEVFLKSDR VARMVQSGGC SANDSREVFK KHIEKRVRS L PEIDGLSKET VLSSWMAKFD AIYRGEEDPR KQQARMTASA ASELILSKEQ LYEMFQNILG IKKFEHQLLY NACQLDNPDE QAAQIRRELD GRLQMADQIA RERKFPKFVS KEMENMYIEE LKSSVNULLMA NLESMPVSKG GEFKLQKLKR SHNASIIDMG EEESENQLSKS DVLLSFSLEV VIMEVQGLKS LAPNRIVYCT MEVEGGEKLQ TDQAEASKPT WGTQGDFTT HALPAVKVKL FTESTGVLAL EDKELGRVIL HPTPNPKQS EWHKMTVSKN CPDQDLKIKL AVRMDKPQNM KHSGYLWTIG KNVWKRWKKR FFVLVQVSQY TFAMCSYREK KAEPQELLQL DGYTVDYTDTP QPGLEGGRAF FNAVKEGDTV IFASDDEQDR ILWVQAMYRA TGQSHKPVPP TQVQKLNAGK GNVPQLDAPI SQFSGLKDAD</p>

RAQKHGMDEF ISSNPCNFDH ASLFEMVQRL TLDHRLNDSY SCLGWFSFGQ VFLDEYCAR
NGVRGCHRHL CYLRDLLERA ENGAMIDPTL LHYSFAFCAS HVHGNRPDGI GTVTVEEKER
FEEIKERLRV LLENQITHFR YCFPFGRPEG ALKATLSLLE RVLMKDIVTP VPQEEVKTVI
RKCLEQAALV NYSRLSEYAK IEENQKDAEN VGRLITPAKK LEDTIRLAEL VIEVLQQNEE
HHAEPHVDKG EFAFWSDLM VEHAETFLSL FAVDMAALE VQPPDTWDSF PLFQLLNDFL
RTDYNLCNGK FHKHLQDLFA PLVVRYVDLM ESSIAQSIHR GFERESWEPV KSLTSNLPNV
NLPNVNLPKV PNLVNIPLG IPQMPTFSAP SWMAAIYDAD NGSGETSEDLF WKLDALQTFI
RDLHWPEEEF GKHLEQLKL MASDMIESCV KRTRIAFEVK LQKTSRSTDF RVPQSICTMF
NVMVDAKAQS TKLCSMEMGQ EHQYHSKIDE LIEETVKEMI TLLVAKFVTI LEGVLAKLSR
YDEGTLFSSF LSFTVKAASK YVDVCPKPGMD VADAYVTFVR HSQDVLDRKV NEEMYIERLF
DQWYNSSMNI ICTWLTDRMD LQLHIYQLKT LIRMVKKTYR DFRLQGVLDL TLNSKTYETI
RNRLTVEEAT ASVSEGGGLQ GISMKDSDEE DEEDD **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:

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: CADPS

Target Details

Alternative Name:	Cadps (CADPS Products)
Background:	Calcium-dependent secretion activator 1 (Calcium-dependent activator protein for secretion 1) (CAPS-1),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 catecholamine loading of DCVs. May specifically mediate the Ca(2+)-dependent exocytosis of large dense-core vesicles (DCVs) and other dense-core vesicles by acting as a PtdIns(4,5)P2-binding protein that acts at prefusion step following ATP-dependent priming and participates in DCVs-membrane fusion. However, it may also participate in small clear synaptic vesicles (SVs) exocytosis and it is unclear whether its function is related to Ca(2+) triggering (By similarity). {ECO:0000250, ECO:0000269 PubMed:15820695}.
Molecular Weight:	153.1 kDa
UniProt:	Q80TJ1
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