Datasheet for ABIN7553578

CPNE1 Protein (AA 1-537) (His tag)

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Overview

Quantity:	1 mg
Target:	CPNE1
Protein Characteristics:	AA 1-537
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPNE1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CPNE1 Protein expressed in mammalien cells.
Sequence:	MAHCVTLVQL SISCDHLIDK DIGSKSDPLC VLLQDVGGGS WAELGRTERV RNCSSPEFSK TLQLEYRFET VQKLRFGIYD IDNKTPELRD DDFLGGAECS LGQIVSSQVL TLPLMLKPGK PAGRGTITVS AQELKDNRVV TMEVEARNLD KKDFLGKSDP FLEFFRQGDG KWHLVYRSEV IKNNLNPTWK RFSVPVQHFC GGNPSTPIQV QCSDYDSDGS HDLIGTFHTS LAQLQAVPAE FECIHPEKQQ KKKSYKNSGT IRVKICRVET EYSFLDYVMG GCQINFTVGV DFTGSNGDPS SPDSLHYLSP TGVNEYLMAL WSVGSVVQDY DSDKLFPAFG FGAQVPPDWQ VSHEFALNFN PSNPYCAGIQ GIVDAYRQAL PQVRLYGPTN FAPIINHVAR FAAQAAHQGT ASQYFMLLLL TDGAVTDVEA TREAVVRASN LPMSVIIVGV GGADFEAMEQ LDADGGPLHT RSGQAAARDI VQFVPYRRFQ NAPREALAQT VLAEVPTQLV SYFRAQGWAP LKPLPPSAKD PAQAPQA **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**

Product Details

	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 mammalien 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:	CPNE1
Alternative Name:	CPNE1 (CPNE1 Products)
Background:	Copine-1 (Chromobindin 17) (Copine I),FUNCTION: Calcium-dependent phospholipid-binding protein that plays a role in calcium-mediated intracellular processes (PubMed:14674885). Involved in the TNF-alpha receptor signaling pathway in a calcium-dependent manner (PubMed:14674885). Exhibits calcium-dependent phospholipid binding properties (PubMed:9430674, PubMed:19539605). Plays a role in neuronal progenitor cell differentiation, induces neurite outgrowth via a AKT-dependent signaling cascade and calcium-independent manner (PubMed:23263657, PubMed:25450385). May recruit target proteins to the cell membrane in a calcium-dependent manner (PubMed:12522145). May function in membrane trafficking (PubMed:9430674). Involved in TNF-alpha-induced NF-kappa-B transcriptional repression by inducing endoprotease processing of the transcription factor NF-kappa-B p65/RELA subunit (PubMed:18212740). Also induces endoprotease processing of NF-kappa-B p50/NFKB1, p52/NFKB2, RELB and REL (PubMed:18212740).

Target Details

	{ECO:0000269|PubMed:12522145, ECO:0000269|PubMed:14674885, ECO:0000269|PubMed:18212740, ECO:0000269|PubMed:19539605, ECO:0000269|PubMed:23263657, ECO:0000269|PubMed:25450385, ECO:0000269|PubMed:9430674}.
Molecular Weight:	59.1 kDa
UniProt:	Q99829

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