

Datasheet for ABIN7554835
PACSIN2 Protein (AA 1-486) (His tag)



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Overview

Quantity:	1 mg
Target:	PACSIN2
Protein Characteristics:	AA 1-486
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PACSIN2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PACSIN2 Protein expressed in mammalian cells.
Sequence:	MSVTYDDSVG VEVSSDSFWE VGNYKRTVKR IDDGHRLCSD LMNCLHERAR IEKAYAQQLT EWARRWRQLV EKGPQYGTVE KAWMAFMSEA ERVSEHLLEV KASLMNDDFE KIKNWQKEAF HKQMMGGFKE TKEAEDGFRK AQKPWAKKLEVEAAKKAHH AACKEEKLAISREANSKADP SLNPEQLKKL QDKIEKCKQD VLKTKEKYEK SLKELDQGTP QYMENMEQVF EQCQQFEEKR LRFFREVILLE VQKHLDSLNV AGYKAIYHDL EQSIRAADAV EDLRWFRANH GPGMAMNWPQ FEEWSADLNR TLSRREKKA TDGVTLTGIN QTGDQSLPSK PSSTLNVPSN PAQSAQSQSS YNPFEDDDT GSTVSEKDDT KAKNVSSYEK TQSYPTDWSDESNNPFSST DANGDSNPFDD DDATSGTEVR VRALYDYEGQ EHDLSFKAG DELTKMEDED EQGWCKGRLD NGQVGLYPAN YVEAIQ 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

PACSIN2

Alternative Name:

PACSIN2 ([PACSIN2 Products](#))

Background:

Protein kinase C and casein kinase substrate in neurons protein 2 (Syndapin-2) (Syndapin-II) (SdplII),FUNCTION: Regulates the morphogenesis and endocytosis of caveolae (By similarity). Lipid-binding protein that is able to promote the tubulation of the phosphatidic acid-containing membranes it preferentially binds. Plays a role in intracellular vesicle-mediated transport. Involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization in the absence of EGF stimulus. {ECO:0000250|UniProtKB:Q9WVE8, ECO:0000269|PubMed:21693584, ECO:0000269|PubMed:23129763, ECO:0000269|PubMed:23236520, ECO:0000269|PubMed:23596323}, FUNCTION: (Microbial infection) Specifically enhances the efficiency of HIV-1 virion spread by cell-to-cell transfer (PubMed:29891700). Also promotes the protrusion engulfment during cell-to-cell spread of bacterial pathogens like *Listeria monocytogenes* (PubMed:31242077). Involved in lipid droplet formation, which is important for HCV virion assembly (PubMed:31801866).

Target Details

{ECO:0000269|PubMed:29891700, ECO:0000269|PubMed:31242077,
ECO:0000269|PubMed:31801866}.

Molecular Weight: 55.7 kDa

UniProt: [Q9UNF0](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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