

Datasheet for ABIN7554849

PACSIN1 Protein (AA 1-444) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PACSIN1
Protein Characteristics:	AA 1-444
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PACSIN1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PACSIN1 Protein expressed in mammalian cells.
Sequence:	MSSSYDEASL APEETDTSFW EVGNYKRTVK RIDDGHRLCN DLMNCVQERA KIEKAYGQQL TDWAKRWRQL IEKGPQYGSL ERAWGAIMTE ADKVSELHQE VKNNLLNEDL EKVKNWQKDA YHKQIMGGFK ETKEAEDGFR KAQKPWAKKM KELEAAKKAY HLACKEEKLA MTREMNSKTE QSVTPEQKK LQDKVDKCKQ DVQKTQEKYE KVLEDVGKTT PQYMENMEQV FEQCQFEEK RLVFLKEVLL DIKRHLNLAE NSSYIHVYRE LEQAIRGADA QEDLRWFRST SGPGMPMNWP QFEWNPDLP HTTTKKEKQP KKAEGVALTN ATGAVESTSQ AGDRGSVSSY DRGQPYATEW SDDESGNPFQ GSETNGGANP FEDDSKGVRV RALYDYGQE QDELSFKAGD ELTKLGEEDE QGWCRGLDS GQLGLYPANY VEA 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 isoform, please contact us regarding an individual offer.

Product Details

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:

PACSIN1

Alternative Name:

PACSIN1 ([PACSIN1 Products](#))

Background:

Protein kinase C and casein kinase substrate in neurons protein 1 (Syndapin-1),FUNCTION: Plays a role in the reorganization of the microtubule cytoskeleton via its interaction with MAPT, this decreases microtubule stability and inhibits MAPT-induced microtubule polymerization. Plays a role in cellular transport processes by recruiting DNM1, DNM2 and DNM3 to membranes. Plays a role in the reorganization of the actin cytoskeleton and in neuron morphogenesis via its interaction with COBL and WASL, and by recruiting COBL to the cell cortex. Plays a role in the regulation of neurite formation, neurite branching and the regulation of neurite length. Required for normal synaptic vesicle endocytosis, this process retrieves previously released neurotransmitters to accommodate multiple cycles of neurotransmission. Required for normal excitatory and inhibitory synaptic transmission (By similarity). Binds to membranes via its F-BAR domain and mediates membrane tubulation. {ECO:0000250, ECO:0000269|PubMed:19549836, ECO:0000269|PubMed:22573331, ECO:0000269|PubMed:23236520}.

Target Details

Molecular Weight: 51.0 kDa

UniProt: [Q9BY11](#)

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