

Datasheet for ABIN7563926

## PACSIN1 Protein (AA 1-441) (His tag)



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### Overview

Quantity:	1 mg
Target:	PACSIN1
Protein Characteristics:	AA 1-441
Origin:	Mouse
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:	<p>MSGSYDEASE EITDSFWEVG NYKRTVKRID DGHRLCNDLM SCVQERAKIE KAYAQQLTDW  AKRWRQLIEK GPQYGLSLERA WGAMMTEADK VSELHQEVKN SLLNEDLEKV KNWQKDAYHK  QIMGGFKETK EAEDGFRKAQ KPWAKKMKEL EAAKKAYHLA CKEERLAMTR EMNSKTEQSV  TPEQQKKLVD KVDKCRQDVQ KTQEKYEKVL EDVGKTPQY MEGMEQVFEQ CQQFEEKRLV  FLKEVLLDIK RHLNLAENSS YMHVYRELEQ AIRGADAQED LRWFRSTSGP GMPMNWPQFE  EWNPDLPHTT AKKEKQPKKA EGATLSNATG AVESTSQAGD RGSVSSYDRG QTYATEWSDD  ESGNPFGGNE ANGGANPFED DAKGVRVRAL YDYGGEQDE LSFKAGDELT KLGEEDQGW  CRGRLDGQL GLYPANYVEA   <b>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.</b></p>
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: Binds to membranes via its F-BAR domain and mediates membrane tubulation. 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. {ECO:0000269|PubMed:11082044, ECO:0000269|PubMed:20404169, ECO:0000269|PubMed:21926968, ECO:0000269|PubMed:23035120}.

## Target Details

Molecular Weight: 50.6 kDa

UniProt: [Q61644](#)

## 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