

## Product datasheet for PH306626

### PACSIN1 (NM\_020804) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PACSIN1 MS Standard C13 and N15-labeled recombinant protein (NP_065855)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206626
Predicted MW:	50.8 kDa
Protein Sequence:	>RC206626 representing NM_020804 Red=Cloning site Green=Tags(s)

MSSSYDEASLAPEETDSFWEVGNKRTVKRIDDGHRLCNDLMNCVQERAKIEKAYGQQLTDWAKRWRQL  
IEKGPQYGSLEAWGAIMTEADKVSSELHQEVKNNLLNEDLEKVKNWQKDAYHKQIMGGFKETKEAEDGFR  
KAQKPWAKMKLEAAKKAYHLACKEEKLAMTREMNSKTEQSVTPEQQKKLQDKVDKCKQDVQKTQEKYE  
KVLLEDVGKTTTPQYMNEMEQVFEQCQQFEEKRLVFLKEVLLDIKRHLNLAENSSYIHVYRELEQAIRGADA  
QEDLRWFRSTSGPGMPMNWPQFEWNPDLPHTTTKKEKQPKKAEGVALTNATGAVESTSQAGDRGSVSSY  
DRGQPYATEWSDDESIGNPFGGSETNGGANPFEDDSKGVVRALYDYGQEQDELSEFKAGDELTKLGEDE  
QGWCRGRLDGSLGLYPANYVEAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_065855</u>
RefSeq Size:	4282
RefSeq ORF:	1332
Synonyms:	SDPI



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Locus ID: 29993

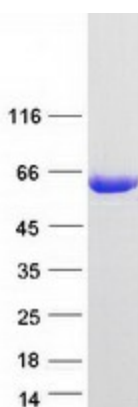
UniProt ID: [Q9BY11](#), [Q5TZC3](#)

Cytogenetics: 6p21.31

**Summary:** 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. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PACSIN1 protein (Cat# [TP306626]). The protein was produced from HEK293T cells transfected with PACSIN1 cDNA clone (Cat# [RC206626]) using MegaTran 2.0 (Cat# [TT210002]).