

Recombinant Human PACSIN2, His-tagged

Cat. No. PACSIN2-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Protein Kinase C and Casein Kinase Substrate in Neurons Protein 2/PACSIN2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Gln486) of Human PACSIN2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-486 a.a.
Description	Protein Kinase C and Casein Kinase Substrate in Neurons Protein 2 (PACSIN2) is a member of the PACSIN family. PACSIN2 is localized to the plasma membrane via its coiled-coil domain. PACSIN2 is widely expressed and contains one FCH domain and one SH3 domain. PACSIN2 forms homo- and hetero-aggregates with other PACSINs. PACSIN2 may play a role in vesicle formation and transport. In addition, PACSIN2 is involved in linking the actin cytoskeleton with vesicle formation by regulating tubulin polymerization.
AA Sequence	MSVTYDDSVGVEVSSDSFWEVGNKYKRTVKRIDDGHRLCSDLMNCLHERARIEKAYA QQLTEWARR WRQLVEKGPQYGTVEKAWMAFMSEAERVSELHLEVKASLMNDDFE KIKNWQKEAFHKQMMGGFKE TKEAEDGFRKAQKPWAKKLKEVEAAKKAHHAACK EEKLAISREANSKADPSLNPEQLKKLQDKIE KCKQDVLKTKEYEKSLELDQGTPQ YMENMEQVFEQCQQFEEKRLRFFREVLLEVQKHLDSLNV AGYKAIYHDLEQSIRAA

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DAVEDLRWFRANHGPGMAMNWPQFEEWSADLNRTLRSREKKKATDGVT LTGINQ
 TGDQSLPSKPSSTLNVPSNPAQSAQSQSSYNPFEDDDTGSTVSEKDDTKAKNVSS
 YEK TQSYPTDWSDDDESNNPFSSTDANGDSNPFDDDATSGTEVRVRALYDYEGQE
 HDELSFKAGDELTK MEDEDEQGWCKGRLDNGQVGLYPANYVEAIQVDHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name [PACSIN2 protein kinase C and casein kinase substrate in neurons 2 \[Homo sapiens \]](#)

Official Symbol PACSIN2

Synonyms PACSIN2; protein kinase C and casein kinase substrate in neurons 2; protein kinase C and casein kinase substrate in neurons protein 2; SDPII; syndapin II; cytoplasmic phosphoprotein PACSIN2;

Gene ID [11252](#)

mRNA Refseq [NM_001184970](#)

Protein Refseq [NP_001171899](#)

MIM [604960](#)

UniProt ID [Q9UNF0](#)

Chromosome 22q13.2-q13.33

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Location**Function**

cytoskeletal protein binding; transporter activity;

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