

Recombinant Human PACSIN1, His-tagged

Cat. No. PACSIN1-166H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Protein Kinase C and Casein Kinase Substrate in Neurons Protein 1/PACSIN1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Ile444) of Human PACSIN1 fused with a 6His tag at the C-terminus.

Species Human

Source HEK293

ProteinLength 1-444 a.a.

Description Protein Kinase C and Casein Kinase Substrate in Neurons Protein 1 (PACSIN1) belongs to the PACSIN family. PACSIN1 contains one FCH domain and one SH3 domain. PACSIN1 is highly expressed in the brain and at lower levels in the heart, pancreas, and liver. PACSIN1 may play a role in vesicle formation and transport. PACSIN1 has been shown to interact with DNM1, PACSIN3, Huntingtin, and PACSIN2. In addition, PACSIN1 is phosphorylated by casein kinase 2 (CK2) and protein kinase C (PKC).

AA Sequence MSSSYDEASLAPEETDTSFWEVGNKRTVKRIDDGHRCLCNDLMNCVQERAKIEKAY
GQQLTDWAK RWRQLIEKGPQYGLERAWGAIMTEADKVSELHQEVKNNLLNEDLE
KVKNWQKDAYHKQIMGGFK ETKEAEDGFRKAQKPWAKMKKELEAAKKAYHLACK
EEKLAMTREMNSKTEQSVTPEQQKQLQDKV DKCKQDVQKTQEKYEKVLVDVGGTT
PQYMENMEQVFEQCQQFEEKRLVFLKEVLLDIKRHLNLAE NSSYIHVYRELEQAIRG

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ADAQEDLRWFRSTSGPGMPMNWPQFEEWNPDLPHTTTTKKEKQPKKAEG VALTNA
 TGAVESTSQAGDRGSVSSYDRGQPYATEWSDDESGNPFGGSETNGGANPFEDDS
 KGVRV RALYDYDGQEQDELSFKAGDELTKLGEEDA QGWCRGRLDSGQLGLYPAN
 YVEAIVDHHHHHH

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

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

GENE INFORMATION

Gene Name [PACSIN1 protein kinase C and casein kinase substrate in neurons 1 \[Homo sapiens \]](#)

Official Symbol PACSIN1

Synonyms PACSIN1; protein kinase C and casein kinase substrate in neurons 1; protein kinase C and casein kinase substrate in neurons protein 1; SDPI; syndapin I; KIAA1379;

Gene ID [29993](#)

mRNA Refseq [NM_001199583](#)

Protein Refseq [NP_001186512](#)

MIM [606512](#)

UniProt ID [Q9BY11](#)

Chromosome Location 6p21.3

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Function

cytoskeletal protein binding; protein kinase activity;

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