

Product datasheet for **SC126275**

PSCD4 (CYTH4) (NM_013385) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSCD4 (CYTH4) (NM_013385) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSCD4
Synonyms:	CYT4; cytohesin-4; DJ63G5.1; PSCD4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_013385 edited
GCAAGCGACAGGAGCACGGGTCATCTTTTCCCCAGAGGCGTCGGAATGGACCTGTGCCAC
CCAGAGCCCGCGGAGCTGAGCAGCGGGGAGACGGAAGAGTTACAGAGGATCAAGTGGCAC
CGAAAGCAGCTCCTGGAGGACATCCAGAAGCTGAAGGATGAGATTGCAGATGTGTTGCC
CAAATCGACTGCTTCGAGAGTGCAGGAGGAGCCGGATGGCCAGAAAGGAGAAGGAGCTG
TGTATTGGGCGCAAGAAGTTCAACATGGACCCCGCAAGGGTATCCAGTATTTTCATTGAG
CACAAGCTGCTGACCCCTGACGTCCAGGACATTGCACGGTTCTGTATAAAGGCGAGGGC
CTCAACAAGACAGCCATTGGTACCTACCTGGGGGAGAGGGATCCCATCAACCTGCAGGTC
CTCCAGGCCTTCGTGGACTGCCACGAGTTCGCCAACCTCAACCTCGTCCAGGCCCTCAGG
CAGTTCCTGTGGAGCTTCGGCTGCCGGGCGAGGCCAGAAAGATAGACCGGATGATGGAG
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TACGTGTTGTCTCTCCATCATCATGCTCAACACCAGCCTCCACAATCCCAACGTCCGG
GACAGGCCGCCTTTCGAGCGCTTTGTGTCCATGAACCGCGGCATCAACAATGGTAGCGAC
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CGGAAGAAGAAGATTGCCAGCAAGCAGTGGATTCTGGAGGTGGCACTGGGGGCTGGTC
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TTTGGGCCACAGACATCATTGCTGTTCCCCGTTACCTCGAGCTGACTCTAGAGGGGAAGG
CAGAGCTCAGGAGGGTGGTGGGAGCTGCAGTGGGCTCAGAGTCCAGCAATGAGGCCCC
TGGCCTGGGCACCCAGCTGCAGGCCCTGCCCTACGTGCACTACAGGAAGGGGTGAGGAG
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GTCCTCGGCTCTGAAGGCGCTCTGCACTTAGATGCTGTCAGCCCTCAACGTAGGAGGG
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AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_013385 unedited
GGNNCGGCCGCGNAATTCGCGGNAGCAAGCGACAGNAGCACGGGTCATCTTTCCCAA
AGCGTCGGAATGGACCTGTGCCACCCANAGCCCGGAGCTGAGCAGCGGGAGACGGAA
GAGTTACAGAGGATCAAGTGGCACCGAAAGCAGCTCCTGGAGGACATCCAGAAGCTGAAG
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CGGTTCTGTATAAAGGCGAGGGCCTCAACAAGACAGCCATTGGTACCTACCTGGGGGAG
AGGGATCCCATCAACCTGCAGGTCCTCCAGGCCTTCGTGGACTGCCACGAGTTCCGCAAC
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CAGAAGATAGACCGGATGATGGAGGCCTTTGCCACTCGATACTGCCTCTGCAACCCAGGC
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AGCCTCCACAATCCCAACGTCCGGGACAGGCCGCTTTTCGAGCGCTTTGTGTCCATGAAC
CGCGGCATCAACAATGGTAGCGACCTGCCCGAGGACCAGCTGCGGAACCTCTTCGACAGC
ATCAAGAGTGAGCCATTCTCCATCCCTGAGGACGACGGCAATGACCTCACTCACACCTTC
TTNATCCAGACCCGGNAGGGTTGGCTGCNTCAGTAGGGGGCCGCTGAAGACGTGGN

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Restriction Sites:

NotI-NotI

ACCN:

NM_013385

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_013385.2](#), [NP_037517.1](#)

RefSeq Size: 3221 bp

RefSeq ORF: 1185 bp

Locus ID: 27128

UniProt ID: [Q9UIA0](#)

Cytogenetics: 22q13.1

Gene Summary: This gene encodes a member of the PSCD family of proteins, which have an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family function as GEPs for ADP-ribosylation factors (ARFs), which are guanine nucleotide-binding proteins involved in vesicular trafficking pathways. This protein exhibits GEP activity in vitro with ARF1 and ARF5, but is inactive with ARF6. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]

Transcript Variant: This variant (1) represents the predominant transcript and encodes the longer isoform (1). Sequence Note: Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.