

Product datasheet for PH308043

PSCD4 (CYTH4) (NM_013385) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYTH4 MS Standard C13 and N15-labeled recombinant protein (NP_037517)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208043
Predicted MW:	45.7 kDa
Protein Sequence:	>RC208043 protein sequence Red=Cloning site Green=Tags(s)
	MDLCHPEPAELSSGETEELQRIKWHRKQLLEDIQKLKDEIADVFAQIDCFESAEESRMAQKEKELCIGRK KFNMDPAKGIQYFIEHKLLTPDVQDIARFLYKGEGLNKTAIGTYLGERDPINLQVLQAFVDCHEFANLNL VQALRQFLWSFRLPGEAQKIDRMMEAFATRYCLCNPGVFQSTDTCYVLSFSIIMLNTSLHNPVDRPPF ERFVSMNRGINNGSDLPEDQLRNLFDSIKSEPF SIPEDDGNDLTHTFNPDREGWLLKLGGRVKTWKRRW FILTDNCLYYFEFTTDKEPRGIIPLENLSVQKVDPPKPFCELEYNPSCRQKIKACKTDGDGRVVEGKH ESYRISATSAEERDQWIESIRASITRVPFYDLVSTRKKKIASKQ
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_037517
RefSeq Size:	3138
RefSeq ORF:	1182
Synonyms:	CYT4; cytohesin-4; DJ63G5.1; PSCD4
Locus ID:	27128



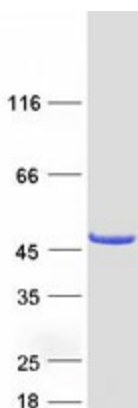
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UniProt ID: [Q9UIA0](#)

Cytogenetics: 22q13.1

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]

Product images:



Coomassie blue staining of purified CYTH4 protein (Cat# [TP308043]). The protein was produced from HEK293T cells transfected with CYTH4 cDNA clone (Cat# [RC208043]) using MegaTran 2.0 (Cat# [TT210002]).