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Product datasheet for PH316808

Cytohesin 1 (CYTH1) (NM_004762) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CYTH1 MS Standard C13 and N15-labeled recombinant protein (NP_004753)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216808
Predicted MW:	46.4 kDa
Protein Sequence:	>RC216808 protein sequence Red=Cloning site Green=Tags(s) MEEDDSYVPSDLTAEERQELENIRRRKQELLADIQRLKDEIAEVANEIENLGSTEERKNMQRNKQVAMGR KKFNMDPKKGIQFLIENDLLKNTCEDIAQFLYKGEGLNKTAIGDYLGERDEFNIQVLHAFVELHEFTDLN LVQALRQFLWSFRLPGEAQKIDRMMEAFAQRYCQCNNGVFQSTDTCYVLSFAIIMLNTSLHNPNVKDKPT VERFIAMNRGINDGGDLPEELLRNLYESIKNEPFKIPEDDGNDLTHTFFNPDREGWLLKLGGGRVKTWKR RWFILTDNCLYYFEYTTDKEPRGIIPLENLSIREVEDSKKPNCFELYIPDNKDQVIKACKTEADGRVVEG NHTVYRISAPTPEEKEEWIKCIKAAISRDPFYEMLAARKKKVSSTKRH 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004753
RefSeq Size:	3366
RefSeq ORF:	1194
Synonyms:	B2-1; CYTOHESIN-1; D17S811E; PSCD1; SEC7
Locus ID:	9267

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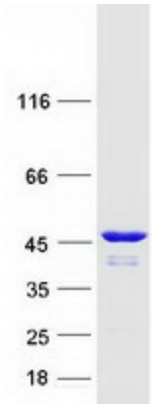
UniProt ID: Q15438

Cytogenetics: 17q25.3

Summary: The protein encoded by this gene is a member of the PSCD family. Members of this family have identical structural organization that consists of 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 activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. This gene is highly expressed in natural killer and peripheral T cells, and regulates the adhesiveness of integrins at the plasma membrane of lymphocytes. A pseudogene of this gene has been defined on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Product images:



Coomassie blue staining of purified CYTH1 protein (Cat# [TP316808]). The protein was produced from HEK293T cells transfected with CYTH1 cDNA clone (Cat# [RC216808]) using MegaTran 2.0 (Cat# [TT210002]).