Recombinant Full Length Human CYTH1 Protein, C-Flag-tagged

Cat. No. CYTH1-1881HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CYTH1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.2 kDa
AA Sequence	MEEDDSYVPSDLTAEERQELENIRRRKQELLADIQRLKDEIAEVANEIENLGSTEERK

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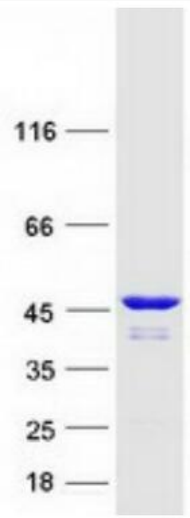
	NMQRNKQVAMGR KKFNMDPKKGIQFLIENDLLKNTCEDIAQFLYKGEGLNKTAIGD YLGERDEFNIQVLHAFVELHEFTDLN LVQALRQFLWSFRLPGEAQKIDRMMEAFAQ RYCQCNNGVFQSTDTCYVLSFAIIMLNTSLHNPNVKDKPT VERFIAMNRGINDGGDL PEELLRNLYESIKNEPFKIPEDDGNDLTHTFFNPDREGWLLKLGGGRVKTWKR RWF ILTDNCLYYFEYTTDKEPRGIIPLENLSIREVEDSKKPNCFELYIPDNKDQVIKACKTEA DGRVVEG NHTVYRISAPTPEEKEEWIKCIKAAISRDPFYEMLAARKKKVSSTKRH TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CYTH1 cytohesin 1 [Homo sapiens (human)]
Official Symbol	CYTH1
Synonyms	B2-1; SEC7; PSCD1; D17S811E; CYTOHESIN-1
Gene ID	9267

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mRNA Refseq	NM_004762.6
Protein Refseq	NP_004753.1
MIM	182115
UniProt ID	Q15438



Coomassie blue staining of purified CYTH1 protein.

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