

## Product datasheet for **TP316808**

### Cytohesin 1 (CYTH1) (NM\_004762) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytohesin 1 (CYTH1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216808 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEEDDSYVPSDLTAERQELNIRRRKQELLADIQRLKDEIAEVANEIENLGSTEERKNMQRNKQVAMGR  
KKFNMDPKKGIQFLIENDLLKNTCEDIAQFLYKGEGLNKTAIGDYLGDEFNIQVLHAFVELHEFTDLN  
LVQALRQFLWSFRLPGEAQKIDRMMEAFAQRYCQCNNGVFQSTDTCYVLSFAIIMLNTSLHNPVNDKPT  
VERFIAMNRGINDGGDLPEELLRNLYESIKNEPFKIPEDDGNLTHFFNPDPREGWLLKLGGRVKTWKR  
RWFILTDNCLYYFEYTTDKPRGIIPLENLSIREVEDSKKPNCFELYIPDNKDQVIKACKTEADGRWEG  
NHTVYRISAPTPREEKEEWIKCIKAAISRDPFYEMLAARKKKVSSTKRH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004753</a>
Locus ID:	9267

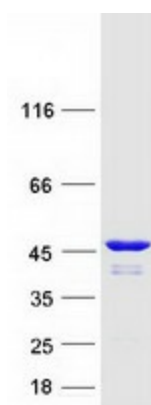


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UniProt ID:	<a href="#">Q15438</a>
RefSeq Size:	3366
Cytogenetics:	17q25.3
RefSeq ORF:	1194
Synonyms:	B2-1; CYTOHESIN-1; D17S811E; PSCD1; SEC7

**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]).