

## Product datasheet for **TP306003**

### Cytohesin 3 (CYTH3) (NM\_004227) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytohesin 3 (CYTH3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206003 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDEDGGGEGGGVPEDLSLEEREELLDIRRRKELIDDIERLKYEIAEVMTEIDNLTSSVEESKTTQRNKQI  
 AMGRKKFNMDPKKGIQFLIENDLLQSSPEDVAQFLYKGEGLNKTIVIGDYLGGERDEFNIKVLQAFVELHEF  
 ADLNLVQALRQFLWSFRLPGEAQKIDRMMEAFASRYCLCNPGVFQSTDTCYVLSFAIIMLNTSLHNNHNV  
 DKPTAERFIAMNRGINEGGDLPEELLRNLYESIKNEPFKIPEDDGNLTHTFNPDREGWLLKLGGRVKT  
 WKRRWFILTDNCLYFEYTTDKPRGIIPLENLSIREVEDPRKPNCFELYNPESHKGQVIKACKTEADGRV  
 VEGNHVVYRISAPSPEEKKEEWMKSIKASISRDPFYDMLATRRRIANKK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	46.1 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_004218</a>
Locus ID:	9265



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UniProt ID: [O43739](#)

RefSeq Size: 4482

Cytogenetics: 7p22.1

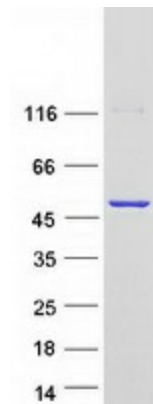
RefSeq ORF: 1197

Synonyms: ARNO3; cytohesin-3; GRP1; PSCD3

**Summary:** This gene encodes a member of the PSCD (pleckstrin homology, Sec7 and coiled-coil domains) family. PSCD family members 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 (GEP) 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 encoded protein is involved in the control of Golgi structure and function, and it may have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CYTH3 protein (Cat# TP306003). The protein was produced from HEK293T cells transfected with CYTH3 cDNA clone (Cat# [RC206003]) using MegaTran 2.0 (Cat# [TT210002]).