

Recombinant Human CYTH3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYTH3-1159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYTH3 MS Standard C13 and N15-labeled recombinant protein (NP_004218) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.3 kDa
AA Sequence	MDEDGGGEGGGVPEDLSLEEREELDIRRRKKELIDDIERLKYEIAEVMTEIDNLTSV EESKTTQRNKQIAMGRKKFNMDPKKGIQFLIENDLLQSSPEDVAQFLYKGEGLNKTV

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IGDYLGGERDEFNIKVLQAFVELHEFADLNLVQALRQFLWSFRLPGEAQKIDRMMEAF
 ASRYCLCNPGVFQSTDTCTCYVLSFAIIMLNTSLHNHNVRDKPTAERFIAMNRRGINEGG
 DLPEELLRNLYESIKNEPFKIPEDDGNDLTHFFNPDREGWLLKLGGRVKTKWKRRW
 FILTDNCLYYFEYTTDKPRGIIPLENLSIREVEDPRKPNCFELYNPSHKGQVIKACKT
 EADGRVVEGNHVVYRISAPSPEEKEEWMKSIKASISRDPFYDMLATRKRRRIANKKTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CYTH3 cytohesin 3 [Homo sapiens (human)]

Official Symbol CYTH3

Synonyms CYTH3; cytohesin 3; pleckstrin homology, Sec7 and coiled coil domains 3, PSCD3; cytohesin-3; ARNO3; GRP1; ARF nucleotide-binding site opener 3; general receptor of phosphoinositides 1; pleckstrin homology, Sec7 and coiled-coil domains 3; PH, SEC7 and coiled-coil domain-containing protein 3; PSCD3;

Gene ID 9265

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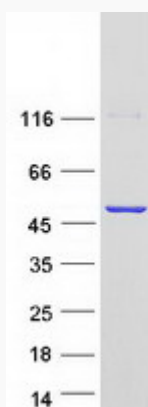
mRNA Refseq [NM_004227](#)

Protein Refseq [NP_004218](#)

MIM [605081](#)

UniProt ID [O43739](#)

SDS-PAGE



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