

Recombinant Human CYTH3 Protein, GST-tagged

Cat. No. CYTH3-2305H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYTH3 full-length ORF (AAH08191.1, 1 a.a. - 179 a.a.) recombinant protein with GST tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	45.43 kDa
AA Sequence	MNRGINEGGDLPEELLRNLYESIKNEPFKIPEDDGNDLTHFFNPDREGWLLKLGGK VKTWKRRWFILTDNCLYYFEYTTDKPEPRGIIPLENLSIREVEDPRKPNCFELYNPSHK GQVIKACKTEADGRVVEGNHVYRISAPSPEEKEEWMKSIKASISRDPFYDMLATRK

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CYTH3 cytohesin 3 [Homo sapiens]
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
mRNA Refseq	NM_004227
Protein Refseq	NP_004218
MIM	605081

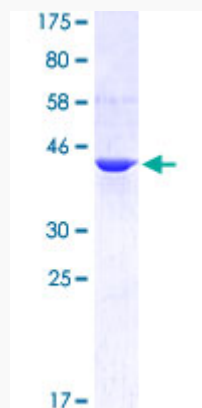
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UniProt ID

O43739

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue

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