

Recombinant Human CYTH2 Protein, GST-tagged

Cat. No. CYTH2-2303H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CYTH2 full-length ORF (NP_059431.1, 1 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 (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. The encoded protein exhibits GEP activity in vitro with ARF1, ARF3, and ARF6 and is 83% homologous to CYTH1. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
Molecular Mass	72.9 kDa
AA Sequence	MEDGVYEPDLTPPEERMELENIRRRKQELLVEIQRLREELSEAMSEVEGLEANEYSK TLQRNRKMAMGRKKFNMDPKKGIQFLVENELLQNTPEEIARFLYKGEGLNKTAIGDY LGEREELNLAVLHAFVDLHEFTDLNLVQALRQFLWSFRLPGEAQKIDRMMEAFAQR

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YCLCNPGVFQSTDTCYVLSFAVIMLNTSLHNPNVRDKPGLERFVAMNRRGINEGGDL
PEELLRNLYDSIRNEPFKIPEDDGNDLTHFTFFNPDRGWLLKLGGGRVKTWKRRWFI
LTDNCLYYFEYTTDKPRGIIPLENLSIREVDDPRKPNCFELYIPNNKGQLIKACKTEA
DGRVVEGNHVMYRISAPTQEEKDEWIKSIQAAVSVDPPFYEMLAARKKRISVKKKQEQ
P

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

CYTH2 cytohesin 2 [Homo sapiens]

Official Symbol

CYTH2

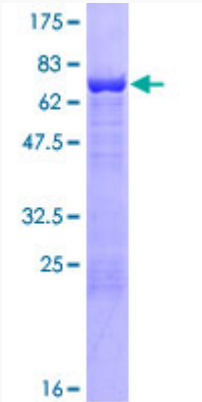
Synonyms

CYTH2; cytohesin 2; pleckstrin homology, Sec7 and coiled coil domains 2 , pleckstrin homology, Sec7 and coiled/coil domains 2 (cytohesin 2) , PSCD2, PSCD2L; cytohesin-2; ARNO; CTS18.1; Sec7p L; Sec7p like; ARF exchange factor; ARF nucleotide-binding site opener; PH, SEC7 and coiled-coil domain-containing protein 2; pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2); pleckstrin homology, Sec7 and coiled/coil domains 2 (cytohesin-2); CTS18; PSCD2; SEC7L; PSCD2L; Sec7p-L; Sec7p-like;

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Gene ID	9266
mRNA Refseq	NM_004228
Protein Refseq	NP_004219
MIM	602488
UniProt ID	Q99418
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.