

Recombinant Human CYTH4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CYTH4-4069H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CYTH4 MS Standard C13 and N15-labeled recombinant protein (NP_037517) 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 family of proteins, which have 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 function as GEPs for ADP-ribosylation factors (ARFs), which are guanine nucleotide-binding proteins involved in vesicular trafficking pathways. This protein exhibits GEP activity in vitro with ARF1 and ARF5, but is inactive with ARF6. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	45.7 kDa
AA Sequence	MDLCHPEPAELSSGETEELQRIKWHRKQLLEDIQKLKDEIADVFAQIDCFESAEEESR MAQKEKELCIGRKKFNMDPAKGIQYFIEHKLLTPDVQDIARFLYKGEGLNKTIGTYL GERDPINLQVLQAFVDCHEFANLNLVQALRQFLWSFRLPGEAQKIDRMMEAFATRY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CLCNPGVFQSTDTCYVLSFSIIMLNTSLHNPNVRDRPPFERFVSMNRGINNGSDLPE
DQLRNLFDISKSEPFSSIPEDDGNDLTHTFFNPDRGWLLKLGGRVKTKRRWFILTD
NCLYYFEFTTDKEPRGIIPLNLSVQKVDDPKKPFCELYNPSCRGQKIKACKTDGD
GRVVEGKHESYRISATSAEERDQWIESIRASITRVPFYDLVSTRKKKIASKQTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

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 CYTH4 cytohesin 4 [Homo sapiens (human)]

Official Symbol CYTH4

Synonyms CYTH4; cytohesin 4; pleckstrin homology, Sec7 and coiled coil domains 4, pleckstrin homology, Sec7 and coiled/coil domains 4, PSCD4; cytohesin-4; CYT4; pleckstrin homology, Sec7 and coiled-coil domains 4; pleckstrin homology, Sec7 and coiled/coil domains 4; PH, SEC7 and coiled-coil domain-containing protein 4; PSCD4; DJ63G5.1;

Gene ID 27128

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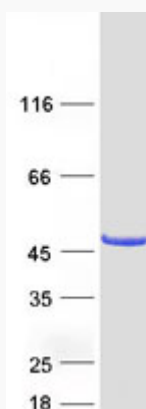
mRNA Refseq NM_013385

Protein Refseq NP_037517

MIM 606514

UniProt ID Q9UIA0

SDS-PAGE



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