

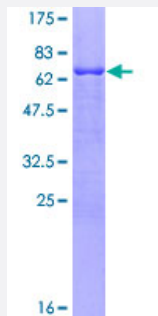
Full-Length

PSCD4 (Human) Recombinant Protein (P01)

Catalog # H00027128-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PSCD4 full-length ORF (NP_037517.1, 1 a.a. - 394 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDLCHPEPAELSSGETEELQRIKWHRKQLLEDIQKLKDEIADVFAQIDCFESAEESRMAQKEKEL
CIGRKKFNMDPAKGIQYFIEHKLLTPDVQDIARFLYKGEGLNKTAIGTYLGERDPINLQVLQAFVDCH
EFANLNLVQALRQFLWSFRLPGEAQKIDRMMEAFATRYCLCNPGVFQSTDTCYVLSFSIIMLNTSL
HNPNVDRPPFERFVSMNRGINNGSDLPEDQLRNLFDSIKSEPFSIPEDDGNDLTHTFFNPDREG
WLLKLGGRVKTKRRWFILTDNCLYYFEFTTDKEPRGIIPLENLSVQKVDDPKKPFCELYNPSCR
GQKIKACKTDGDGRVVEGKHESYRISATSAEERDQWIESIRASITRVPFYDLVSTRKKKIASKQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.1

Interspecies Antigen Sequence

Mouse (92); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CYTH4

Entrez GeneID[27128](#)**GeneBank Accession#**[NM_013385.2](#)**Protein Accession#**[NP_037517.1](#)**Gene Name**

CYTH4

Gene Alias

CYT4, DJ63G5.1, PSCD4

Gene Description

cytohesin 4

Omim ID[606514](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 both ARF1 and ARF5 but is inactive with ARF6. The structures of this gene and CYTH1 are very similar. [provided by RefSeq]

Other Designations

OTTHUMP00000028826|cytohesin-4|pleckstrin homology, Sec7 and coiled-coil domains 4|pleckstrin homology, Sec7 and coiled/coil domains 4

Disease

- [Tobacco Use Disorder](#)