



Recombinant Mouse Cytohesin-4 (Cyth4)

Product Code	CSB-EP767359MO-B
Abbreviation	Cyth4
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q80YW0
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MDVCHTDPAE LSSGEAKELQ QIKWHRKQLL EDIQKCLKDEI ADVFAQIDCF ESTEESRMAQ KEKEMCIGRK KFNMDPNKGI QYLIEHKLLT SDVQDIAQFL YKGDGLNKTA IGTYLGEKDP INLQVLQAFV DCHEFANLNL VQALRQFLWS FRLPGEAQKI DRMMEAFAAR YCLCNPGVFR STDTCYVLSF SVIMLNTGLH NPNVRDRPPF ERFVTMNRGI NSGSDLPEEQ LRNLFDSIKS EPFSIPEDDG GDLTHTFFNP DREGWLLKLG GRVKTWKRRW FILTDNCLYY FEFTTDCKEPR GIIPLENLSV QKVEDPKKPF CLELYNPSCR GQKIKACKTD GDGKVVEGKH ESYRISAANA EERDQWIEAI RASITRVPFY DLLSARKKKI VGK
Source	E.coli
Target Names	Cyth4
Protein Names	Recommended name: Cytohesin-4 Alternative name(s): PH, SEC7 and coiled-coil domain-containing protein 4
Expression Region	1-393
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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