Charged Multivesicular Body Protein 6 (chmp6) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Charged multivesicular body protein 6 (chmp6), Recombinant Protein
Full Product Name	Recombinant Danio rerio Charged multivesicular body protein 6 (chmp6)
Product Gene Name	chmp6 recombinant protein
Product Synonym Gene Name	chmp6
Sequence	GNLFGKKKAT RVTEQDRAVL QLKQQRDKLK QYQKRITLQM DKERQLAKQL LKDGKKDKAL LLLKKKRYQD QLLEKTENQI SNLERMVQDI EFAQIEMKVI EGLKVGNDCL KKMHEVLSIE EVEKIMDETH DAIEYQKQID EMLAGSLTQE DEEAVLAELE AITQGEADLE LPEVPGEELP EVPEQEPVRE KERVKKKPER EMVAV
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,980 Da
Sequence Positions	2-206, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q503V0
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for chmp6 recombinant protein	MBS1347223 is a recombinant protein targeting chmp6. Also known as Recombinant Danio rerio Charged multivesicular body protein 6 (chmp6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of chmp6 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for chmp6. It may not necessarily be applicable to this product.

NCBI GI #	51467994
NCBI GeneID	445397
NCBI Accession #	NP_001003874.1
UniProt Primary Accession #	Q503V0
UniProt Secondary Accession #	Q6DRE9
UniProt Related Accession #	Q503V0

GenBank Nucleotide #	NM_001003874.1
NCBI Official Full Name	charged multivesicular body protein 6
NCBI Official Synonym Full Names	charged multivesicular body protein 6b
NCBI Official Symbol	chmp6b
NCBI Official Synonym Symbols	chmp6; chmp6l; flj11749l; wu:fb79d02; zgc:110067
UniProt Protein Name	Charged multivesicular body protein 6
UniProt Synonym Protein Names	Chromatin-modifying protein 6
Protein Family	Charged multivesicular body protein
UniProt Gene Name	chmp6
UniProt Synonym Gene Names	chmp6l
NCBI Protein Information	charged multivesicular body protein 6
UniProt Comments for chmp6	Probable core component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In the ESCRT-III complex, it probably serves as an acceptor for the ESCRT-II complex on endosomal membranes ().
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