

Charged multivesicular body protein 1b (CHMP1B) Recombinant Protein | CHMP1B recombinant protein

Recombinant Human Charged multivesicular body protein 1b (CHMP1B)

CATALOG # AAA116987	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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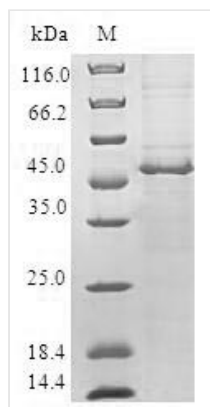
PRODUCT SYNONYMS

Charged multivesicular body protein 1b (CHMP1B); Recombinant Human Charged multivesicular body protein 1b (CHMP1B); Charged multivesicular body protein 1b; CHMP1.5; Chromatin-modifying protein 1b; CHMP1b; Vacuolar protein sorting-associated protein 46-2; Vps46-2; hVps46-2; CHMP1B recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-199aa; Full Length
Sequence	MSNMEKHLFN LKFAAKELSR SAKKCDKEEK AEKAKIKKAI QKGNMEVARI HAENAIRQKN QAVNFLRMSA RVDAAVARVQ TAVTMGKVTK SMAGVVKSM D ATLKTMNLEK ISALMDKFEH QFETLDVQTQ QMEDTMSSTT TLTPQNQVD MLLQEMADEA GLDLNMELPQ GQTGSVGTSV ASAEQDELSQ RLARLRDQV
Species	Homo sapiens (Human)
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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CHMP1B recombinant protein	Probable peripherally associated 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. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. Involved in cytokinesis. Involved in recruiting VPS4A and/or VPS4B and SPAST to the midbody of dividing cells. Involved in HIV-1 p6- and p9-dependent virus release.
Product Categories/Family for CHMP1B recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542306
NCBI GeneID	57132
NCBI Accession #	NP_065145.2
NCBI GenBank Nucleotide #	NM_020412.4
UniProt Accession #	Q7LBR1 ; Q96E89 ; Q9HD41
Molecular Weight	49.1 kDa
NCBI Official Full Name	charged multivesicular body protein 1b
NCBI Official Synonym Full Names	charged multivesicular body protein 1B
NCBI Official Symbol	CHMP1B
NCBI Official Synonym Symbols	Vps46B; C10orf2; C18orf2; CHMP1.5; Vps46-2; C18-ORF2; hVps46-2
NCBI Protein Information	charged multivesicular body protein 1b; vacuolar protein sorting 46-2; chromatin modifying protein 1B; chromatin-modifying protein 1b; vacuolar protein sorting-associated protein 46-2
UniProt Protein Name	Charged multivesicular body protein 1b
UniProt Gene Name	CHMP1B
UniProt Synonym Gene Names	C18orf2; CHMP1b; Vps46-2; hVps46-2
UniProt Entry Name	CHM1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/chmp1b-recombinant-protein-e-coli/116987>