

Charged multivesicular body protein 2b (CHMP2B) Recombinant Protein | CHMP2B recombinant protein

Recombinant Human Charged multivesicular body protein 2b (CHMP2B)

CATALOG # AAA117162	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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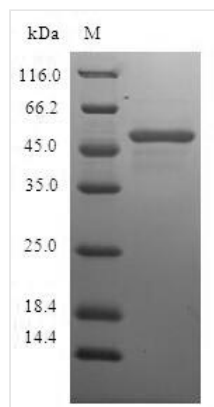
PRODUCT SYNONYMS

Charged multivesicular body protein 2b (CHMP2B); Recombinant Human Charged multivesicular body protein 2b (CHMP2B); Charged multivesicular body protein 2b; CHMP2.5; Chromatin-modifying protein 2b; CHMP2b; Vacuolar protein sorting-associated protein 2-2; Vps2-2; hVps2-2; CHMP2B 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	2-213aa; Full Length of Mature Protein
Sequence	ASLFKKKTVD DVIKEQNREL RGTQRAIIRD RAALEKQEKQ LELEIKKMAK IGNKEACKVL AKQLVHLRKQ KTRTFVAVSSK VTSMSTQTKV MNSQMKMAGA MSTTAKTMQA VNKKMDPQKT LQTMQNFQKE NMKMEMTEEM INDTLDDIFD GSDDEEESQD IVNQVLDEIG IEISGKMAKA PSAARSLPSA STSKATISDE EIERQLKALG VD
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 CHMP2B recombinant protein	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. 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.
Product Categories/Family for CHMP2B recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	347582619
NCBI GeneID	25978
NCBI Accession #	NP_001231573.1
NCBI GenBank Nucleotide #	NM_001244644.1
UniProt Accession #	Q9UQN3; Q53HC7; Q9Y4U6; B4DJG8
Molecular Weight	50.8 kDa
NCBI Official Full Name	charged multivesicular body protein 2b isoform 2
NCBI Official Synonym Full Names	charged multivesicular body protein 2B
NCBI Official Symbol	CHMP2B
NCBI Official Synonym Symbols	DMT1; ALS17; VPS2B; VPS2-2; CHMP2.5
NCBI Protein Information	charged multivesicular body protein 2b; VPS2 homolog B; chromatin modifying protein 2B; vacuolar protein-sorting-associated protein 2-2
UniProt Protein Name	Charged multivesicular body protein 2b
UniProt Gene Name	CHMP2B
UniProt Synonym Gene Names	CHMP2b; Vps2-2; hVps2-2
UniProt Entry Name	CHM2B_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.