9051 Mira Mesa Blvd, #910094
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CHMP1B Human

Charged Multivesicular Body Protein 1B Human Recombinant
RCP0426

Product Overview

Name	CHMP1B Human
Description	
Charged Multivesicular Body Protein 1B Human Recombinant	
Accession (Primary)	Q7LBR1
Synonyms	
Charged multivesicular body protein 1b, CHMP1.5, Chromatin-modifying protein 1b, CHMP1b, Vacuolar protein sorting-associated protein 46-2, Vps46-2, hVps46-2, CHMP1B, C18orf2, Vps46B, C10orf2, C18-ORF2.	
Introduction	
Charged multivesicular body protein 1b (CHMP1B) is a member of the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. CHMP1B is a possible peripherally associated component of the ESCRT-III (endosomal sorting required for transport complex III) which is involved in MVBs (multivesicular bodies) formation and sorting of endosomal cargo proteins into MVBs. The MVBs contain ILVs (intraluminal vesicles) which are created by invagination and scission from the limiting membrane of the endosome and generally are transported to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
CHMP1B protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGSH MSNMEK HLFNLKFAAK ELSRSAKKCD KEEKAEKAKI KKAIQKGNME VARIHAENAI RQKNQAVNFL RMSARVDAVA ARVQTAVTMG KVTKSMAGVV KSMDATLKTM NLEKISALMD KFEHQFETLD VQTQQMEDTM SSTTTLTTPQ NQVDMLLQEM ADEAGLDLNM ELPQGQTGSV GTSVASAEQD ELSQRLARLR DQV.

Precautions

CHMP1B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q7LBR1)