
Product Data Sheet

Product Name: CHMP1B Human
 Cat. No.: GP23148
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSNMEK HLFNLKFAAK ELSRSAKKCD KEEKAEKAKI KKAIQKGNME VARIHAENAI RQKNQAVNFL RMSARVDAVA ARVQTAVTMG KVTKSMAGVV KSMDATLKTM NLEKISALMD KFEHQFETLD VQTQQMEDTM SSTTTLTPQ NQVDMLLQEM ADEAGLDLNM ELPQGQTGSV GTSVASAEQD ELSQRLARLR DQV.		
Formulation	CHMP1B protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

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.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CHMP1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 223 amino acids (1-199 a.a) and having a molecular mass of 24.7kDa (Molecular weight on SDS-PAGE will appear higher). CHMP1B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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