
Product Data Sheet

Product Name: CHMP6 Human
 Cat. No.: GP23153
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Charged multivesicular body protein 6; Chromatin-modifying protein 6; Vacuolar protein sorting-associated protein 20; Vps20; hVps20; CHMP6.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMGNLFG RKKQSRVTEQ DKAILQLKQQ RDKLRQYQKR IAQQLERERA LARQLLRDGR KERAKLLKK KRYQEQLLDR TENQISSLEA MVQSIEFTQI EMKVMEGLQF GNECLNKMHQ VMSIEEVERI LDETQEAVEY QRQIDELLAG SFTQEDEDAL LEELSAITQE QIELPEVPSE PLPEKIPENV PVKARPRQAE LVAAS.		
Formulation	CHMP6 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl.		

Introduction

Charged multivesicular body protein 6 (CHMP6) is a member of the SNF7 family. The CHMP6 protein is a core component of the endosomal sorting necessary for transport complex III (ESCRT-III) that is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) which are produced by invagination and scission from the limiting membrane of the endosome and generally are transported to lysosomes facilitating 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% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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

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CHMP6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (1-201 a.a) and having a molecular mass of 26.1kDa (Molecular size on SDS-PAGE will appear higher).CHMP6 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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