

Recombinant Human Charged Multivesicular Body Protein 6, His-tagged

Cat. No. CHMP6-5589H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanCHMP6 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	CHMP6,as known as charged multivesicular body protein 6, belongs to the SNF7family. This Protein is core component of the endosomal sorting required fortransport complex III (ESCRT-III) which is involved in multivesicular bodies(MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBscontain intraluminal vesicles (ILVs) that are generated by invagination andscission from the limiting membrane of the endosome and mostly are deliveredto lysosomes enabling degradation of membrane proteins, such as stimulatedgrowth factor receptors, lysosomal enzymes and lipids.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl.
Molecular Weight	26.1kDa(225aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appearhigher).
Purity	> 95%by SDS-PAGE

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Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGS HMGNLFG RKKQSRVTEQ DKAILQLKQQ RDKLRQYQKR IAQQLERERALARQLLRDGR KERAKLLKK KRYQEQLLDR TENQISSLEA MVQSIEFTQI EMKVMEGLQF GNECLNKMHQVMSIEEVERI LDETQEA VEY QRQIDELLAG SFTQEDED AI LEELSAITQE QIELPEVPSE PLPEKIPENVPVKARPRQAE LVAAS
Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	CHMP6 charged multivesicularbody protein 6 [Homo sapiens]
Official Symbol	CHMP6
Synonyms	CHMP6; charged multivesicular body protein6; VPS20; hVps20; Vps20; FLJ11749; chromatin modifying protein 6;chromatin-modifying protein 6; vacuolar protein sorting-associated protein 20
Gene ID	79643
mRNA Refseq	NM_024591
Protein Refseq	NP_078867
MIM	610901
UniProt ID	Q96FZ7

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Chromosome Location	17q25.3
Pathway	ESCRT-III complex; Endocytosis; Endosomal Sorting Complex Required For Transport (ESCRT); Membrane Trafficking
Function	protein N-terminus binding
Rendering based on PDB 2K3W.	