Recombinant Human CHMP6, His-tagged

Cat. No. CHMP6-15851H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHMP6 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-201aa
Description	CHMP6, as known as charged multivesicular body protein 6, belongs to the SNF7 family. This Protein is 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl
Molecular Mass	26.1kDa (225aa), confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMGNLFG RKKQSRVTEQ DKAILQLKQQ

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	RDKLRQYQKR IAQQLERERA LARQLLRDGR KERAKLLLKK KRYQEQLLDR TENQISSLEA MVQSIEFTQI EMKVMEGLQF GNECLNKMHQ VMSIEEVERI LDETQEAVEY QRQIDELLAG SFTQEDEDAILEELSAITQE QIELPEVPSE PLPEKIPENV PVKARPRQAE LVAAS
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)

GENE INFORMATION

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

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UniProt ID	Q96FZ7
Chromosome Location	17q25.3
Pathway	ESCRT-III complex, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	protein N-terminus binding;

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