Recombinant Full Length Human CHMP4B Protein, C-Flag-tagged

Cat. No. CHMP4B-707HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CHMP4B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the chromatin-modifying protein/charged multivesicular body protein (CHMP) protein family. The protein is part of the endosomal sorting complex required for transport (ESCRT) complex III (ESCRT-III), which functions in the sorting of endocytosed cell-surface receptors into multivesicular endosomes. The ESCRT machinery also functions in the final abscisson stage of cytokinesis and in the budding of enveloped viruses such as HIV-1. The three proteins of the CHMP4 subfamily interact with programmed cell death 6 interacting protein (PDCD6IP, also known as ALIX), which also functions in the ESCRT pathway. The CHMP4 proteins assemble into membrane-attached 5-nm filaments that form circular scaffolds and promote or stabilize outward budding. These polymers are proposed to help generate the luminal vesicles of multivesicular bodies. Mutations in this gene result in autosomal dominant posterior polar cataracts.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	24.8 kDa

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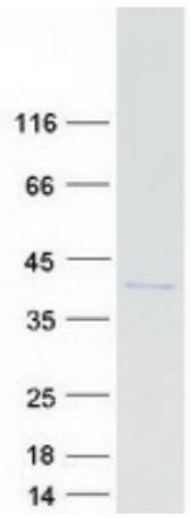
AA Sequence	MSVFGKLFGAGGGKAGKGGPTPQEAIQRLRDTEEMLSKKQEFLEKKIEQELTAAKK HGTKNKRAALQALK RKKRYEKQLAQIDGTLSTIEFQREALENANTNTEVLKNMGYA AKAMKAAHDNMDIDKVDELMQDIADQQE LAEEISTAISKPVGFGEEFDEDELMAELE ELEQEELDKNLLEISGPETVPLPNVPSIALPSKPAKKKEEE DDDMKELENWAGSMTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Endocytosis
Full Length	Full L.

GENE INFORMATION

Gene Name	CHMP4B charged multivesicular body protein 4B [Homo sapiens (human)]
Official Symbol	CHMP4B
Synonyms	SNF7; CTPP3; Shax1; CHMP4A; SNF7-2; VPS32B; CTRCT31; Vps32-2; C20orf178; dJ553F4.4

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Gene ID	128866
mRNA Refseq	NM_176812.5
Protein Refseq	NP_789782.1
MIM	610897
UniProt ID	Q9H444



Coomassie blue staining of purified CHMP4B protein.

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