

Recombinant Human CHMP4B Protein, MYC/DDK-tagged

Cat. No. CHMP4B-3237H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHMP4B protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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 abscission 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
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name CHMP4B charged multivesicular body protein 4B [Homo sapiens]

Official Symbol CHMP4B

Synonyms C20orf178; CHMP4A; CTPP3; CTRCT31; dJ553F4.4; Shax1; SNF7; SNF7-2; Vps32-2; VPS32B

Gene ID 128866

mRNA Refseq NM_176812

Protein Refseq NP_789782

MIM 610897

UniProt ID Q9H444

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