

Recombinant Human CHMP4B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHMP4B-3377H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHMP4B MS Standard C13 and N15-labeled recombinant protein (NP_789782) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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.
Molecular Mass	25 kDa
AA Sequence	MSVFGKLFGAGGGKAGKGGPTPQEAIQRLRDTEEMLSKKQEFLEKKIEQELTAAKK

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HGTKNKRAALQALKRKKRYEKQLAQIDGTLSTIEFQREALNANTNTEVLKNMGYAA
KAMKAAHDNMDIDKVDQLMQDIADQQELAEIISTAIKSPVGFGEFDEDELMAELEE
LEQEELDKNLLEISGPETVPLPNVPSIALPSKPAKKKEEEDDDMKELN WAGSMTRT
RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol CHMP4B

Synonyms CHMP4B; charged multivesicular body protein 4B; C20orf178, chromatin modifying protein 4B, chromosome 20 open reading frame 178; charged multivesicular body protein 4b; dJ553F4.4; Shax1; SNF7 2; VPS32B; hSnf7-2; hVps32-2; chromatin modifying protein 4B; chromatin-modifying protein 4b; SNF7 homolog associated with Alix 1; Snf7 homologue associated with Alix 1; vacuolar protein sorting-associated protein 32-2; vacuolar protein-sorting-associated protein 32-2; SNF7; CTPP3; CHMP4A; SNF7-2; Vps32-2; C20orf178;

Gene ID 128866

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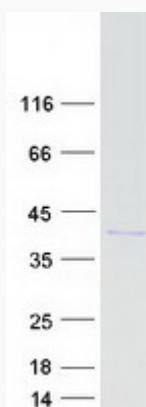
mRNA Refseq NM_176812

Protein Refseq NP_789782

MIM 610897

UniProt ID Q9H444

SDS-PAGE



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