

## Product datasheet for **TP307637M**

### CHMP4B (NM\_176812) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human chromatin modifying protein 4B (CHMP4B), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC207637 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSVFGKLFAGGGKAGKGGPTPQEAIQRLRDTEEMLSKKQEFLEKKIEQELTAAKKHGTGNKRAALQALK  
RKKRYEKQLAQIDGTLSTIEFQREALNANTNTEVLKKNMGYAAKAMKAAHDNMDIDKVDLMQDIADQQE  
LAEIESTAISKPVGFGEEFDEDELMAELEELEQEELDKNLLLEISGPETVPLPNVPSIALPSKPAKKKEEE  
DDDMKELENWAGSM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 24.8 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_789782](#)

**Locus ID:** 128866

**UniProt ID:** [Q9H444](#)



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RefSeq Size: 1664

Cytogenetics: 20q11.22

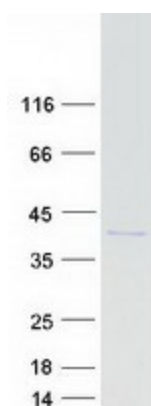
RefSeq ORF: 672

Synonyms: C20orf178; CHMP4A; CTPP3; CTRCT31; dj553F4.4; Shax1; SNF7; SNF7-2; Vps32-2; VPS32B

**Summary:** 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.[provided by RefSeq, Oct 2009]

**Protein Pathways:** Endocytosis

### Product images:



Coomassie blue staining of purified CHMP4B protein (Cat# [TP307637]). The protein was produced from HEK293T cells transfected with CHMP4B cDNA clone (Cat# [RC207637]) using MegaTran 2.0 (Cat# [TT210002]).