

Product datasheet for **TP307637M**

CHMP4B (NM_176812) Human Recombinant Protein

Product data:

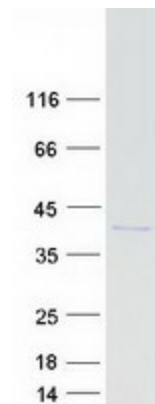
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromatin modifying protein 4B (CHMP4B), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207637 protein sequence Red =Cloning site Green =Tags(s)
	MSVFGKLFGAGGGKAGKGGPTPQEAIRLRDTEEMLSKKQEFLEKKIEQELTAAKKHGTKNKRAALQALK RKKRYEKQLAQIDGTLSTIEFQREALNANTNTEVLKNMGYAAKAMKAAHDNMDIDKVDLMQDIADQQ E LAAEISTAISKPVGFGEEFDEDELMAELEELEQEELDKNLLEISGPETVPLPNVPSIALPSKPAKKKEEE 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:	<u>NP_789782</u>
Locus ID:	128866



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UniProt ID:	<u>Q9H444</u>
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]).