

Product datasheet for **TP322002M**

CHMP4A (NM_014169) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human chromatin modifying protein 4A (CHMP4A), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC222002 protein sequence
Red=Cloning site **Green**=Tags(s)

MSRRRPEDGLGKAGPCVMRHPPRSKAEVWRTL RGGGGRGELAMSGLGRLFGKGGKKEKGPTPEEAIQKLLK
ETEKILIKKQEFLEQKIQQLQTAKKYGTKNKRAALQALRRKKRFEQQLAQTDGTLSTLEFQREAIENAT
TNAEVLRTMELAAQSMKKAYQDMIDKVDLMTDITEQQEVAQQISDAIRPMGFGDDVDEDELLEEELE
LEQEELAQELLNVGDKEEESVKLPSVPSTHLPAGPAPKVDDEEALKQLAEWWS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 29.6 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_054888](#)

Locus ID: 29082

UniProt ID: [Q9BY43](#), [Q14D22](#)



[View online »](#)

RefSeq Size: 1372

Cytogenetics: 14q12

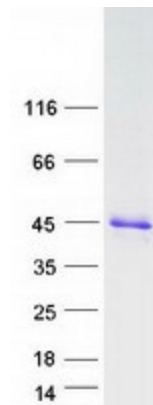
RefSeq ORF: 795

Synonyms: C14orf123; CHMP4; CHMP4B; HSPC134; SHAX2; SNF7; SNF7-1; VPS32-1; VPS32A

Summary: CHMP4A belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed 16730941]).[supplied by OMIM, Mar 2008]

Protein Pathways: Endocytosis

Product images:



Coomassie blue staining of purified CHMP4A protein (Cat# [TP322002]). The protein was produced from HEK293T cells transfected with CHMP4A cDNA clone (Cat# [RC222002]) using MegaTran 2.0 (Cat# [TT210002]).