

## Product datasheet for TP322002

### CHMP4A (NM\_014169) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human chromatin modifying protein 4A (CHMP4A), 20 µg

**Species:** Human

**Expression Host:** HEK293T

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

MSRRRPEDGLGKAGPCVMRHPPRSKAEVWRTL RGGGGRGELAMSGLGRLFGKGGKKEKGPTPEEAIQKLE  
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

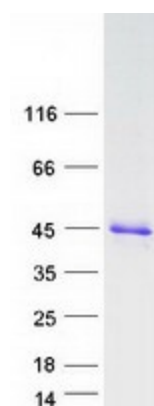
RefSeq ORF: 795

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]).