

## Product datasheet for **AR50201PU-N**

### CHMP4A (1-265, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	CHMP4A (1-265, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSRRRPEDGL GKAGPCVMRH HPPRSKAEVW RTLRGGGGRG ELAMSGLGRL FGKGGKKEKGP TPEEAIQKLK ETEKILIKKQ EFLEQKIQQE LQTAKKYGTK NKRAALQALR RKKRFEQQLA QTDGTLSTLE FQREAIENAT TNAEVLRTME LAAQSMKKAY QDMDIDKVD E LMTDITEQQE VAQQISDAIS RPMGFGDDVD EDELLEEELE LEQEELAQEL LNVGDKEEEP SVKLPSVPST HLPAGPAPKV DEDEEALKQL AEWVS
Tag:	His-tag
Predicted MW:	32.0 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 50% glycerol, 200 mM NaCl, 0.1 mM PMSF, 1 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CHMP4A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_054888</a>
Locus ID:	29082
UniProt ID:	<a href="#">Q9BY43</a> , <a href="#">Q14D22</a>
Cytogenetics:	14q12
Synonyms:	C14orf123; CHMP4; CHMP4B; HSPC134; SHAX2; SNF7; SNF7-1; VPS32-1; VPS32A



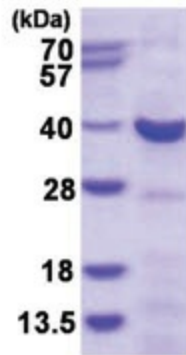
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**Summary:**

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:**

15% SDS-PAGE (3ug)