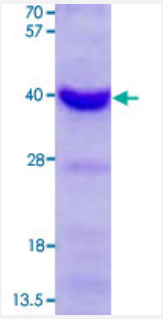
Full-Length

CHMP4A (Human) Recombinant Protein

Catalog # P4906 Size 10 ug

Applications



Specification

Product Description	Human CHMP4A (NP_054888, 1 a.a.- 265 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMSRRRPEDGLGKAGPCVMRHHPPRSKAEVWRTLRGGGGRGE LAMSGLGRLFGKGKKEKGPTPEEAIQKLKETEKILIKKQEFLEQKIQQELQTAKKYGTKNKRAALQA LRRKKRFEQQLAQTDGTLSTLEFQREAIENATTNAEVLRTMELAAQSMKKAYQDMDIDKVDELMT DITEQQEVAQQISDAISRPMGFGDDVDEDELLEELEELEQEELAQELLNVGDKEEEPSVKLPSVP STHLPAGPAPKVDEDEEALKQLAEWVS
Host	Escherichia coli
Theoretical MW (kDa)	32
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	0.25 mg/mL
Purity	> 90% by SDS-PAGE
Quality Control Testing	15% SDS-PAGE Stained with Coomassie Blue

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Storage Buffer	In 20 mM Tris-HCl buffer, 200 mM NaCl, 1 mM EDTA, pH 8.0 (2 mM DTT, 50% glycerol, 0.1 mM PMSF).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CHMP4A

Entrez GeneID	29082
Protein Accession#	NP_054888
Gene Name	CHMP4A
Gene Alias	C14orf123, CHMP4, CHMP4B, HSPC134, MGC142093, MGC142095, SNF7, SNF7-1, Shax2
Gene Description	chromatin modifying protein 4A
Omim ID	610051
Gene Ontology	Hyperlink
Gene 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
Other Designations	OTTHUMP00000164695|Snf7 homologue associated with Alix 2|charged multivesicular body protein 4A

Pathway

- Endocytosis

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