Recombinant Human CHMP4A Protein

Cat. No. CHMP4A-1251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHMP4A (NP_054888, 1 a.a.- 265 a.a.) full-length recombinant protein with His tag expressed in Escherichia coli.
Species	Human
Source	E.coli
Description	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]
Form	Liquid
Molecular Mass	32 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMSRRRPEDGLGKAGPCVMRHHPPRSKAEVWRTL RGGGGRGELAMSGLGRLFGKGKKEKGPTPEEAIQKLKETEKILIKKQEFLEQKIQQE LQTAKKYGTKNKRAALQALRRKKRFEQQLAQTDGTLSTLEFQREAIENATTNAEVLR TMELAAQSMKKAYQDMDIDKVDELMTDITEQQEVAQQISDAISRPMGFGDDVDEDE LLEELEELEQEELAQELLNVGDKEEEPSVKLPSVPSTHLPAGPAPKVDEDEEALKQL

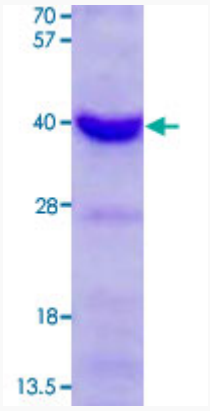
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	AEWVS
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Store at -20 centigrade. For long term storage store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.25 mg/mL
Storage Buffer	In 20 mM Tris-HCl, 200 mM NaCl, pH 8.0 (2 mM DTT, 50% glycerol, 0.1 mM PMSF, 1 mM EDTA)

GENE INFORMATION

Gene Name	CHMP4A charged multivesicular body protein 4A [Homo sapiens]
Official Symbol	CHMP4A
Synonyms	CHMP4A; charged multivesicular body protein 4A; C14orf123, chromatin modifying protein 4A, chromosome 14 open reading frame 123; charged multivesicular body protein 4a; HSPC134; VPS32A; chromatin modifying protein 4A; SNF7 homolog associated with Alix-2; Snf7 homologue associated with Alix 2; vacuolar protein sorting-associated protein 32-1; SNF7; CHMP4; SHAX2; CHMP4B; SNF7-1; VPS32-1; C14orf123; FLJ61658; MGC142093; MGC142095;
Gene ID	29082
mRNA Refseq	NM_014169

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Protein Refseq	NP_054888
MIM	610051
UniProt ID	Q9BY43
Quality Control Testing	 15% SDS-PAGE Stained with Coomassie Blue

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