

Recombinant Human CHMP4A, GST-tagged

Cat. No. CHMP4A-11186H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHMP4A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-95a.a.
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]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
Protein Refseq	NP_054888
MIM	610051
UniProt ID	Q9BY43
Chromosome Location	14q11.2
Pathway	ESCRT-III complex, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	lipid binding;

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