

Recombinant Human CHMP5, GST-tagged

Cat. No. CHMP5-11189H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHMP5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-219a.a.
Description	CHMP5 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	CHMP5 charged multivesicular body protein 5 [Homo sapiens]
Official Symbol	CHMP5
Synonyms	CHMP5; charged multivesicular body protein 5; C9orf83, chromatin modifying protein 5 , chromosome 9 open reading frame 83 , SNF7DC2; CGI 34; HSPC177; Vps60; hVps60; SNF7 domain containing 2; chromatin modifying protein 5; chromatin-modifying protein 5; SNF7 domain-containing protein 2; apoptosis-related protein PNAS-2; vacuolar protein sorting-associated protein 60; CGI-34; PNAS-2; C9orf83; SNF7DC2;
Gene ID	51510
mRNA Refseq	NM_001195536
Protein Refseq	NP_001182465
MIM	610900
UniProt ID	Q9NZZ3
Chromosome Location	9p13.3
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	protein binding;

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