

Recombinant Mouse Chmp5 Protein, Myc/DDK-tagged

Cat. No. Chmp5-2151M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length charged multivesicular body protein 5 (Chmp5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

Description Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4.

Molecular Mass 24.6 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Chmp5 charged multivesicular body protein 5 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Chmp5
Synonyms	CHMP5; charged multivesicular body protein 5; chromatin modifying protein 5; chromatin-modifying protein 5; SNF7 domain-containing protein 2; likely ortholog of H. sapiens SNF7 domain containing 2; AW545668; RP23-2818.4; 2210412K09Rik
Gene ID	76959
mRNA Refseq	NM_029814
Protein Refseq	NP_084090
UniProt ID	Q9D7S9

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