

Product datasheet for **TP501926**

Chmp1a (NM_145606) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse charged multivesicular body protein 1A (Chmp1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR201926 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MDDTLFQLKFTAKQLEKLAKKAEEKDSKAEQAKVKKALQQKNVECARVYAENAIRKKNEGVNWLRMASRVD
AVASKVQTAVTMKGVTKNMAQVTKALDKALSAMD LQKVSVMDFEQVQNL DVHTSVMEDSVSSATTLT
TPQEQVDSLIVQIAEENGLVLDQLSQLPEGASAVGESSVRSQEDQLSRRLAALRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	21.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_663581
Locus ID:	234852
UniProt ID:	Q921W0
RefSeq Size:	2188
Cytogenetics:	8 E1



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RefSeq ORF: 591

Synonyms: 2900018H07Rik; Pcoln3

Summary: 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. Involved in cytokinesis. Involved in recruiting VPS4A and/or VPS4B to the midbody of dividing cells. May also be involved in chromosome condensation. Targets the Polycomb group (PcG) protein BMI1/PCGF4 to regions of condensed chromatin. May play a role in stable cell cycle progression and in PcG gene silencing (By similarity).[UniProtKB/Swiss-Prot Function]