

Recombinant Human CHMP1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHMP1A-3355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHMP1A MS Standard C13 and N15-labeled recombinant protein (NP_002759) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the CHMP/Chmp family of proteins which are involved in multivesicular body sorting of proteins to the interiors of lysosomes. The initial prediction of the protein sequence encoded by this gene suggested that the encoded protein was a metallopeptidase. The nomenclature has been updated recently to reflect the correct biological function of this encoded protein. Several transcripts encoding different isoforms have been found for this gene.
Molecular Mass	21.5 kDa
AA Sequence	MDDTLFQLKFTAKQLEKLAKKAEKDSKAEQAKVKKALLQKNVECARVYAENAIRKKN EGVNWLRMASRVDVASKVQTAVTMKGVTKNMAQVTKALDKALSTMDLQKVSSVM DRFEQQVQNLDVHTSVMEDSMSSATTLTPQEQVDSLIMQIAEENGLEVLQQLSQL PEGASAVGESSVRSQEDQLSRRLAALRNTRTRPLEQKLISEEDLAANDILDYKDDDD KV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CHMP1A charged multivesicular body protein 1A [Homo sapiens (human)]
Official Symbol	CHMP1A
Synonyms	CHMP1A; charged multivesicular body protein 1A; chromatin modifying protein 1A, PCOLN3, procollagen (type III) N endopeptidase, PRSM1; charged multivesicular body protein 1a; CHMP1; KIAA0047; Vps46A; protease, metallo, 1, 33kD; chromatin modifying protein 1A; procollagen (type III) N-endopeptidase; vacuolar protein sorting-associated protein 46-1; charged multivesicular body protein 1/chromatin modifying protein 1; PRSM1; PCOLN3; VPS46A; VPS46-1;
Gene ID	5119
mRNA Refseq	NM_002768
Protein Refseq	NP_002759
MIM	164010
UniProt ID	Q9HD42

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SDS-PAGE

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