

Recombinant Human Chromatin Modifying Protein 2A, His-tagged

Cat. No. CHMP2A-1396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHMP2A protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. Mw = 27.2 kDa (242aa).
Species	Human
Source	E.coli
Description	CHMP2A, also known as chromatin modifying protein 2A, belongs to the SNF7 family and it is component of the ESCRT III complex, which is required for multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDLLFGRRKT PEELLRQNQR ALNRAMRELD RERQKLETQE KKIIADIKKM AKQGQMDAVR IMAKDLVRTR RYVRKFVLMR ANIQAVSLKI QTLKSNN SMA QAMKGVTKAM GTMNRQLKLP QIQKIMMEFE RQAEIMDMKE EMMNDAIDDA MGDEEDEEES DAVVSQVLDE LGLSLTDELS NLPSTGGSL S VAAGGKKA EA AASALADADA DLEERLKNLR RD
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1 M NaCl 1mM DTT, and 30% glycerol.
Purity	> 90% by SDS – PAGE.

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Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	CHMP2A chromatin modifying protein 2A [Homo sapiens]
Synonyms	CHMP2A; chromatin modifying protein 2A; BC2; BC-2; VPS2; CHMP2; VPS2A; VPS2 homolog A; putative breast adenocarcinoma marker (32kD); CHMP2a; Vps2-1; hVps2-1; Chromatin-modifying protein 2a; Putative breast adenocarcinoma marker BC-2; Vacuolar protein-sorting-associated protein 2-1; VPS2 homolog A (S. cerevisiae)
Gene ID	27243
mRNA Refseq	NM_014453
Protein Refseq	NP_055268
MIM	610893
UniProt ID	O43633
Chromosome Location	19q13.43
Pathway	Endocytosis
Function	protein domain specific binding