Recombinant Human CHMP2A, His-tagged

Cat. No. CHMP2A-27958TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 6-222 of Human CHMP2A with an N terminal His tag; Predicted MWt 25 kDa.
Species	Human
Source	E.coli
ProteinLength	6-222 a.a.
Description	CHMP2A 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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 110 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	GRRKTPEELLRQNQRALNRAMRELDRERQKLETQEKKIIA DIKKMAKQGQMDAVRI MAKDLVRTRRYVRKFVLMRANI QAVSLKIQTLKSNNSMAQAMKGVTKAMGTMNRQ LKLPQ IQKIMMEFERQAEIMDMKEEMMNDAIDDAMGDEEDEEE SDAVVSQVLDEL GLSLTDELSNLPSTGGSLSVAAGGKKAE AAASALADADADLEERLKNLRRD

GENE INFORMATION

Gene Name	CHMP2A charged multivesicular body protein 2A [Homo sapiens]
Official Symbol	CHMP2A
Synonyms	CHMP2A; charged multivesicular body protein 2A; chromatin modifying protein 2A; charged multivesicular body protein 2a; BC 2; CHMP2; putative breast adenocarcinoma marker (32kD); VPS2; VPS2 homolog A (S. cerevisiae); VPS2A;
Gene ID	27243
mRNA Refseq	NM_014453
Protein Refseq	NP_055268
MIM	610893
Uniprot ID	O43633
Chromosome Location	19q13.43
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,

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	organism-specific biosystem;
Function	protein domain specific binding;

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