

## Recombinant Human CHMP2A, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 6-222 of Human CHMP2A with an N terminal His tag; Predicted MWt 25 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	6-222 a.a.
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 110 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

GRRKTPEELLRQNQRALNRAMRELD RERQKLETQEKKIIA DIKKMAKQGQMDAVRI  
 MAKDLVRTRRYVRKFVLMRANI QAVSLKIQTLKSNNSMAQAMKGVTKAMGTMNRQ  
 LKLPQ IQKIMMEFERQAEIMDMKEEMMND AIDDAMGDEEDEEE SDAVVSQVLDEL  
 GLSLTDELSNLPSTGGSLVAAGGKKA E 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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