

Recombinant Human CHMP2A Protein, GST-Tagged

Cat. No. CHMP2A-1249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHMP2A full-length ORF (NP_055268, 1 a.a. - 222 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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., 2006 [PubMed 16730941]).[supplied by OMIM, Mar 2008]
Molecular Mass	50.05 kDa
AA Sequence	MDLLFGRRKTPEELLRQNQRALNRAMRELDREERQKLETQEKKIADIKKMAKQGQM DAVRIMAKDLVRTRYVRKFVLMRANIQAVSLKIQTLKSNNNSMAQAMKGVTKAMGT MNRQLKLPQIQKIMMEFERQAEIMDMKEEMMNDAIDDAMGDEEDEEESDAVVSQVL DELGLSLTDELSNLPSTGGSLSVAAGGKKAEEAASALADADADLEERLKNLRRD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; vps2-1; hVps2-1; VPS2 homolog A; chromatin-modifying protein 2a; putative breast adenocarcinoma marker BC-2; vacuolar protein sorting-associated protein 2-1; BC2; BC-2;

Gene ID 27243

mRNA Refseq NM_014453

Protein Refseq NP_055268

MIM 610893

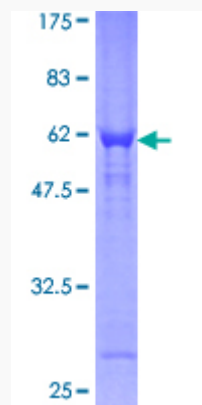
UniProt ID O43633

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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