

Recombinant Full Length Human CHMP2A Protein, GST-tagged

Cat. No. CHMP2A-3205HF **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

In Vitro Cell Free System

ProteinLength

222 amino acids

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

MDLLFGRRKTPEELLRQNRALNRAMRELDREERQKLETQEKKIADIKKMAKQGQM
DAVRIMAKDLVRTRRYVRFVLMRANIQAVSLKIQTLSNNSMAQAMKGVTKAMGT
MNRQLKLPQIQKIMMEFERQAEIMDMKEEMMNDAIDDAMGDEEDEEESDAVVSQVL
DELGLSLTDELSNLPSTGGSLVAAGGKKAEEAASALADADADLEERLKNLRRD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) 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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