Recombinant Human CHMP2A, GST-tagged

Cat. No. CHMP2A-11184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHMP2A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-220a.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., 2006 [PubMed 16730941]).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

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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
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, organism-specific biosystem;
Function	protein domain specific binding;

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