

## Recombinant Human CHMP2A Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CHMP2A-4011H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CHMP2A MS Standard C13 and N15-labeled recombinant protein (NP_940818) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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, is required for both MVB formation and regulation of cell cycle progression. |
| <b>Molecular Mass</b>   | 25.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MDLLFGRRKTPEELLRQNQRALNRAMRELDREERQKLETQEKKIADIKKMAKQGQM<br>DAVRIMAKDLVRTRYVRKFVLMRANIQAVSLKIQTLSNNSMAQAMKGVTKAMGT<br>MNRQLKLPQIQKIMMEFERQAEIMDMKEEMMNDAIDDAMGDEEDEEESDAVVSQVL<br>DELGLSLTDELSNLPSTGGSLSVAAGGKKAEAAASALADADADLEERLKNLRRDTRT<br>RPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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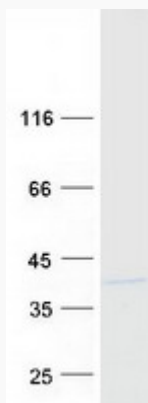
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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | CHMP2A charged multivesicular body protein 2A [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | CHMP2A                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 27243                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_198426                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_940818                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>              | 610893                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | O43633                                                                                                                                                                                                                                                                                                                                                                                                   |

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**SDS-PAGE**

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