

Product datasheet for **RC218563L4V**

CHMP2A (NM_198426) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CHMP2A (NM_198426) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CHMP2A |
| Synonyms: | BC-2; BC2; CHMP2; VPS2; VPS2A |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_198426 |
| ORF Size: | 666 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC218563). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_198426.1 |
| RefSeq Size: | 943 bp |
| RefSeq ORF: | 669 bp |
| Locus ID: | 27243 |
| UniProt ID: | O43633 |
| Cytogenetics: | 19q13.43 |
| Protein Pathways: | Endocytosis |
| MW: | 25.1 kDa |



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Gene Summary:

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]