

Product datasheet for **RC210473L2V**

C 4 Methylsterol Oxidase (MSMO1) (NM_006745) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | C 4 Methylsterol Oxidase (MSMO1) (NM_006745) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | C 4 Methylsterol Oxidase |
| Synonyms: | DESP4; ERG25; MCCPD; SC4MOL |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_006745 |
| ORF Size: | 879 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC210473). |
| 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_006745.3 |
| RefSeq Size: | 2241 bp |
| RefSeq ORF: | 882 bp |
| Locus ID: | 6307 |
| UniProt ID: | Q15800 |
| Cytogenetics: | 4q32.3 |
| Domains: | Sterol_desat |



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| | |
|--------------------------|--|
| Protein Families: | Transmembrane |
| Protein Pathways: | Metabolic pathways, Steroid biosynthesis |
| MW: | 35.2 kDa |
| Gene Summary: | <p>Sterol-C4-methyl oxidase-like protein was isolated based on its similarity to the yeast ERG25 protein. It contains a set of putative metal binding motifs with similarity to that seen in a family of membrane desaturases-hydroxylases. The protein is localized to the endoplasmic reticulum membrane and is believed to function in cholesterol biosynthesis. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> |