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Product datasheet for RC211704L4V

C 4 Methylsterol Oxidase (MSMO1) (NM_001017369) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	C 4 Methylsterol Oxidase (MSMO1) (NM_001017369) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C 4 Methylsterol Oxidase
Synonyms:	DESP4; ERG25; MCCPD; SC4MOL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001017369
ORF Size:	486 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC211704).`
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_001017369.1
RefSeq Size:	1928 bp
RefSeq ORF:	489 bp
Locus ID:	6307
UniProt ID:	Q15800
Cytogenetics:	4q32.3
Protein Families:	Transmembrane

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Protein Pathways:	Metabolic pathways, Steroid biosynthesis
MW:	19.3 kDa
Gene Summary:	Sterol-C4-mehtyl 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]