

Product datasheet for **SC213138**

C 4 Methylsterol Oxidase (MSMO1) (NM_001017369) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	C 4 Methylsterol Oxidase (MSMO1) (NM_001017369) Human 3' UTR Clone
Symbol:	C 4 Methylsterol Oxidase
Synonyms:	DESP4; ERG25; MCCPD; SC4MOL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001017369
Insert Size:	1248 bp



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Insert Sequence: >SC213138 3'UTR clone of NM_001017369
 The sequence shown below is from the reference sequence of NM_001017369. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGAAGAAGTTTGAGAAAAGACTGAATAAATATCTCACGTAACCTTCTGAAAGATAAACGTTTTTCC
TGAATTCAGAACTAGTAGCTAACATTGCTTCTGGAGAGCAGAAATAAGCATGTCTTCTGGCTACTAAG
TGATAAAAAGAACATTAACAACCTTTAATTACCTTCTAGTGGGAACTTTTTCTACTTTACCTACAAGT
TCTATATATGTAGAAATGAATAAATATATATTTAAGTACAGTTTTTCATGAGGAAGTTTTAAAGACCAT
GTTCTAAGCTTCCAAGAAGTTTTGGATACTAGAAGTATTAATCTATGGCTTTTCTCCAGTAAAACC
ATAGGCCTGAAGTTCACATTGGGTCTTTAAATCTTTTAGATATACTGGTCATTCAGAAAATTCTTC
ATAGTGGTATTGGCCTTATATTTAACTTTTTTTTTTTTTTTTTTTTTTTGAGACAAAGCCACACTCTGTCTC
CTTGGCTGGAGTGTGGTGGCACAGTCTCAGCTCACTGCAACCTCTGCCTCCAGTTCAAGCAATTCTTC
TGCTCAGCCTCCAAGTAGCTGGGATTACAGGCACCCGCCACCCAGCTAATTTTTGTATTTTT
GTAGAGATGGGGTTTACGATGTTGGCCAGGCTGGTCTCAAACCTCTGACCTCAAGTGATCTGCCACC
TTGGCCTCCCAAAGTGCTGGGATTACAGGTGTAAGCCACTGCGCCCGGCCTTTTTAACTTTAAACATGT
TTTAGAATTCACCTAAAGATCAAATAATCATGGATTGAACCTCATCAATTGATAGCAGTGAGTGACTGA
AGCTTCCAATCAAGAAAAGCCGGCACCAGAAGAACTTCCATTCTAATCTAGAGCTGACCAGTTTGAGCTG
ATTCTCTCTTTGAAGAGTCTTCTTGATTGCAGTGCAGTACTGGCATTCTGAATGGATGTAAGTGGAG
TATTTTAGTCTAAAGGCTTTTCAAATTACTTGAATTTTTTAAAAATTGAGGAGCTTTATTTCTATTTA
CCCTTCCATTTTTGTATATCAAATTTCCATTGTCATTAATACTGTATCTTGAACCTTTGTGAACCTGAC
TTGCTGTATTTGCACTTTGAGCTCTTGAATAAATGTGATTTTTGTGTGATTATCTGGTTTCCAGTTTT
AAACATTAAGTGTACCTTTTATTCTTAAACTGAAAGTACAGAAATCATTAAATTATTAAGTTGTACA
ATAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001017369.3](#)

Summary: 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]

Locus ID: 6307

MW: 48.2