

Product datasheet for SC205542

MOSC2 (MARC2) (NM_017898) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MOSC2 (MARC2) (NM_017898) Human 3' UTR Clone
Symbol:	MOSC2
Synonyms:	MARC2; MOSC2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_017898
Insert Size:	958 bp
Insert Sequence:	>SC205542 3'UTR clone of NM_017898 The sequence shown below is from the reference sequence of NM_017898. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GTTGGTGACCCTGTGTATCGGATGGTGTAGTGATGAGTGATGGATCCACTAGGGTGATATGGCTTCAGC
AACCAGGAGGGATTGACTGAGATCTTAACAACAGCAGCAACGATACATCAGCAAATCCTTATTATCCAG
CCTTCAACTATCTTTACCCTGGAAAACAATCTCGATTTTTGACTTTTCAAAGTTGTGTATGCTCCAGGT
TAATGCAAGGAAAGTATTAGAGGGGGGAATATGAAAGTATATATAAAATTTAGGTAAGGCTTT
AAAAATAATTAAGATCATCAAAATGCTATTTGAATGTTATCATGGCTATTACACTTTTACTTCCTGA
CTTTAATATTGATGAATAAGCAAGTTTAAATGAATCAACTAAAAAGCTGCAAAAATGTTTTTAAATGT
GTGCTTTTATTACCTATCAGTCTATGTTTTGGGAGAAATGGGAAGCAACAGATCACTGTGCTCTGATG
TGCAGGACGCATGTTACCACACTCACAAATGCCTAATATTGGTCTTTATGTGGCCATTGAGTCTGTTG
ACTTTCCACTCATGTGCTTTTACTCTAGCATTATGGAATCTGGGCTGTACTTGAGTATGGAAATCTC
TTATAGACTTAGTTTTAGTACTCTATTACCTTTACTAAGCCACATAAAAGTAATCTGTTTGTGTGA
ACTGCCAGATATACCACCTGGAATTCAGTAAGATAAGGAAGAGGATGACATTTAAAGAGAATGGAA
TTTTGAGAGTAGGAATGCAAGGAAGACAGCATGAACATATTTTTTTCAGTGCAAAATAATTTTTTCGTAA
CAAAGAAACGAACAACCTTTGGTATGATCTTAAGCAAAAATACTCACTGAAATAGTATGTGGATGAATTC
ACCTACTTACAATTTTATGTTTTCTTTGTAATAATAATGTGAATCTCAATCCTGCTTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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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:	<u>NM_017898.5</u>
Summary:	The protein encoded by this gene is an enzyme found in the outer mitochondrial membrane that reduces N-hydroxylated substrates. The encoded protein uses molybdenum as a cofactor and cytochrome b5 type B and NADH cytochrome b5 reductase as accessory proteins. One type of substrate used is N-hydroxylated nucleotide base analogues, which can be toxic to a cell. Other substrates include N(omega)-hydroxy-L-arginine (NOHA) and amidoxime prodrugs, which are activated by the encoded enzyme. Multiple transcript variants encoding the different isoforms have been found for this gene. [provided by RefSeq, Sep 2016]
Locus ID:	54996
MW:	37.5