

Product datasheet for **MC216159**

Oxsm (NM_027695) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxsm (NM_027695) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Oxsm
Synonyms:	4933425A18Rik; C80494
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216159 representing NM_027695
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTGTCAAATGCTTGAACATTTTCTAAAAGCCACAATCTCCCATCCATATCCAGCGTCATATTCTT
GGTTAATAAGCAAACACAGATTTTATGGAAGTGTGCCAGCAGCCATGTTGCGCAGACGAGTTGTCATCAC
AGGCATTGGCCTAGTGACACCACTTGGCGTTGGGACTCAACTAGTTTGGGATCGGCTTCTCCGAGGAGAA
AGTGGAATTGTTTCTGTGGTTGGTGATGAGTACAAGAATATCCCTTGCACTGTAGCTGCTTATGTACCAA
GAGGTCCACATGAAGGTCAAGTTAATGAAGAAAATTTGTGTCCAAATCAGATGCCAAGTCCATGTCTTC
TTCCACCATCATGGCTGTGGGCGCAGCAGATTGGCCCTGAAAGACTCCGGCTGGCATCCGAAACGAGAA
GCAGATCAGGTGGCTACTGGCGTTGCCATTGGCATGGGCATGGTTCCTCTGAAGTTATTTCTGAAACTG
CTTTGCTGTTTCAGACCAAAGGTTATAATAAAGTCAGCCATTCTTTGTCCCTAAGATTCTGATCAATAT
GGCTGCAGGCCAGGTTAGCATTGCTACAACTCAAGGGCCCAATCACTCAGTGTCCACAGCCTGCACC
ACAGGTGCACATGCTGTGGGAGACTCCTTAGATTTCATAGCCCATGGTGACGCAGATGTGATGGTGGCTG
GGGACACAGACTCTGCATTAGTCCATTATCTCTCGCTGGGTTTTCCAGAGCCCGGGCTCTGAGCTCAAA
CCCAGATCCTAAGCTAGCCTGCCGGCGTTTCATCCAGAGAGAGATGGTTTTGTCATGGGTGAGGGAGCT
GCTGTGCTGGTGTGGAAGAATGAGCATGCTGTTTCAGAGAGGAGCTCGGATCTACGCAGAAAATTTGG
GTTATGGACTCTCGGGTATGCCGGTACATAACTGCCCCGATCCCGAAGGAGAAGGTGCTTTAAGATG
CATGGCTGCTGTAAAAGATGACGGCGTATCACCTGACAGATATCCTATGTCAACGCACATGCCACT
TCCACACCCTGGGTGATGCCGCTGAGAACAGAGCCATCAAGAGGCTCTTTAGGGACCATGCTTGTGCCC
TTGCCATATCCTCCAAAAGGGAGCCACTGGGCATCTTCTGGGTGCTGCAGGGGCGAGTTGAGGCACTTT
TACTGCCTGGCTTGTACCACACAGAACTCCCACTTAAACCTGGATTGTACAGAGCCTGAATTT
GATCTCAATTATGTTCCACTGGAGTACAGGAATGAAAGCTGAGGGTGGTGTATTGGACTCACCAATT
CCTTTGGGTTGGTGGTACTAATGCAACTCTTTGTATTGCTGGCATGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027695

Insert Size: 1380 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq:	<u>NM_027695.3, NP_081971.1</u>
RefSeq Size:	3752 bp
RefSeq ORF:	1380 bp
Locus ID:	71147
UniProt ID:	<u>Q9D404</u>
Cytogenetics:	14 A2
Gene Summary:	May play a role in the biosynthesis of lipoic acid as well as longer chain fatty acids required for optimal mitochondrial function.[UniProtKB/Swiss-Prot Function]