

Product datasheet for **MC226678**

Oscar (NM_001290377) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oscar (NM_001290377) Mouse Untagged Clone
Tag: Tag Free
Symbol: Oscar
Synonyms: mOSCAR; mOSCAR-M1; mOSCAR-M2; mOSCAR-M3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226678 representing NM_001290377
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCTGTCGCTGATACTCCAGCTGTCGACTCTCTGGCCTGCATGCCGTGCTGACTTCACACCAACAG
CGCCCCTAGCCTCATACCCAGCCATGGCTGGGAGCTCATCCTGCTGCAGTTGTGACTCCTGGGATCAA
CGTGACCTTGACTTGCCGCGCACCTCAATCTGCCTGGCGTTTGCCTCTCAAAGTGGCCTTGCACC
CCTCTGCTCCTCCGGATGTGTCCGTTGAGCTGGCTGAGTTCTTCTGGAAGAAGTACTCCGGCCAAAG
GGGGCAGTTATCACTGCCGCTACCGCAAGACAGACTGGGGCCAGGTGTCTGGTCTCAGCCAGTAATGT
TCTGGAAGTGTGTAACGGATCAGTCCCCAGACCATCACTGGTGGCACTGCCTGGGCCTGTGGTGGCC
CCGGGAGCCAACGTAAGCCTGCGCTGTGCAGGCCATACCGGGCATGAGTTTTGCACTGTACCGCGTAG
GCGTGGCAACCCCTCTGCAGTATATTGACTCTGTGCAGCCCTGGGCTGACTTCCTTTTATCGGCACACA
CACACCTGGCACCTACTGTTGCTATTACCACACGCCTTCTGCCCCCTATGTGCTATCACAGCGCAGCCAG
CCACTGGTCATCAGTTTCGAAGTTCTGGCTCCTTGGACTATACCCAGGGAAACCTCATCCGTTTGGGGC
TGGCAGGAATGGTCTCATCTGCTTGGGCATCATAGTTACTTGTGATTGGCACAGCAGGAGCTCTGCCTT
TGATGGTCTCTGCCAGCAAAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290377
Insert Size: 798 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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_001290377.1, NP_001277306.1</u>
RefSeq Size:	1830 bp
RefSeq ORF:	798 bp
Locus ID:	232790
UniProt ID:	<u>Q8VBT3</u>
Cytogenetics:	7 A1
Gene Summary:	Regulator of osteoclastogenesis which plays an important bone-specific function in osteoclast differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 3' end of the first exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.