

Product datasheet for MR228889

Oscar (NM_001290377) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Oscar (NM_001290377) Mouse Tagged ORF Clone
Tag: Myc-DDK
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)
ORF Nucleotide Sequence: >MR228889 representing NM_001290377
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCCTGTCGCTGATACTCCAGCTGTCGACTCTCTGGCCTGCATGCCGTGCTGACTTCACACCAACAG
 CGCCCCTAGCCTCATACCCCAGCCATGGCTGGGAGCTCATCCTGCTGCAGTTGTGACTCCTGGGATCAA
 CGTGACCTTGACTTGCCGCGCACCTCAATCTGCCTGGCGGTTTGACTCTCAAAGTGGCCTTGTCACC
 CCTCTGCTCCTCCGGATGTGTCCGTTGAGCTGGCTGAGTTCTTCTGGAAGAAGTACTCCGGCCAAAG
 GGGGCAGTTATCACTGCCGCTACCGCAAGACAGACTGGGGCCAGGTGTCTGGTCTCAGCCAGTAATGT
 TCTGGAAGTCTGGTAACGGATCAGTCCCCAGACCATCACTGGTGGCACTGCCTGGGCCTGTGGTGGCC
 CCGGGAGCCAACGTAAGCCTGCGCTGTGCAGGCCCATACCGGGCATGAGTTTTGCACTGTACCGCGTAG
 GCGTGGCAACCCCTCTGCAGTATATTGACTCTGTGCAGCCCTGGGCTGACTTCCTTTTGATCGGCACACA
 CACACCTGGCACCTACTGTTGCTATTACCACACGCCTTCTGCCCCCTATGTGCTATCACAGCGCAGCCAG
 CCACTGGTCATCAGTTTCGAAGTTCTGGCTCCTTGGACTATACCCAGGGAAACCTCATCCGTTTGGGGC
 TGGCAGGAATGGTCCTCATCTGCTTGGGCATCATAGTTACTTGTGATTGGCACAGCAGGAGCTCTGCCTT
 TGATGGTCTCTGCCCCAGCAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228889 representing NM_001290377
 Red=Cloning site Green=Tags(s)

MVLSLILQLSTLWPACRADFTPTAPLASYPQPWLGAHPAAVVTPGINVTLTCRAPQSAWRFALFKSGLVT
 PLLLRDVSVELAEFFLEEVTQAQGSYHCYRKRDTWGPVWVSQPSNVLELLVTDQLPRPSLVALPGPVVA
 PGANVSLRCAGRIPGMSFALYRVGVATPLQYIDSVQPWADFLIGTHTPGTCCYYHTPSAPYVLSQRSQ
 PLVVISFEGSGSLDYTQGNLIRLGLAGMVLICLGIIVTCDWHSRSSAFDGLLPQQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001290377

ORF Size: 795 bp

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.

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: [NM_001290377.1](#), [NP_001277306.1](#)

RefSeq Size: 1830 bp

RefSeq ORF: 798 bp

Locus ID: 232790

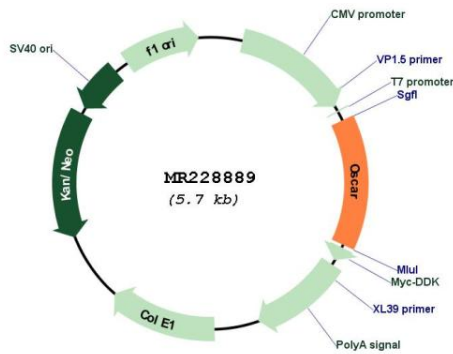
UniProt ID: [Q8VBT3](#)

Cytogenetics: 7 A1

MW: 29.2 kDa

Gene Summary: Regulator of osteoclastogenesis which plays an important bone-specific function in osteoclast differentiation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR228889