

Product datasheet for MR220332

Oscar (NM_175632) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oscar (NM_175632) 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:	>MR220332 representing NM_175632 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCTGTCGCTGATACTCCAGCTGTCGACTCTCTGTGAGCTGTCCCTCCCCTGGCCTGCATGCCGTG
CTGACTTCACACCAACAGCGCCCTAGCCTCATACCCCAGCCATGGCTGGGAGCTCATCTGCTGCAGT
TGTGACTCCTGGGATCAACGTGACCTTGACTTGCCGCGCACCTCAATCTGCCTGGCGTTTGCCTCTTC
AAAAGTGGCCTTGTACCCCTCTGCTCCTCCGGGATGTGTCCGTTGAGCTGGCTGAGTTCTTCTCTGGAAG
AAGTGACTCCGGCCAAGGGGGCAGTTATCACTGCCGCTACCGCAAGACAGACTGGGGGCCAGGTGTCTG
GTCTCAGCCAGTAATGTTCTGGAAGTGTGTAACGGATCAGCTCCCCAGACCATCACTGGTGGCACTG
CCTGGGCCTGTGGTGGCCCCGGGAGCCAACGTAAGCCTGCGCTGTGCAGGCCGCATACCGGGCATGAGTT
TTGCAGTGTACCGCGTAGGCGTGGAACCCCTCTGCAGTATATTGACTCTGTGCAGCCCTGGGCTGACTT
CCTTTTGTATCGGCACACACACCTGGCACCTACTGTTGCTATTACCACACGCCTTCTGCCCCATATGTG
CTATCACAGCGCAGCCAGCCACTGGTATCAGTTTGAAGTTCTGGCTCCTTGGACTATACCCAGGGAA
ACCTCATCCGTTTGGGGCTGGCAGGAATGGTCTCATCTGCTTGGGCATCATAGTTACTTGTGATTGGCA
CAGCAGGAGCTTGCCCTTGTGATGGTCTCCTGCCCCAGCAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220332 representing NM_175632
 Red=Cloning site Green=Tags(s)

MVLSLILQLSTLCELSPWPACRADFTPTAPLASYPQPWLGAHPAAVVTPGINVTLTCRAPQSAWRFALF
 KSGLVTPLLLRLDVSVELAEFFLEEVTPAQGGSYHCRYRKTDWGPGVWSQPSNVLELLVTDQLPRPSLVAL
 PGPVVAPGANVSLRCAGRIPGMSFALYRVGVATPLQYIDSVQPWADFLLIGTHTPGTYCCYYHTPSAPYV
 LSQRSQPLVISFEGSGSLDYTQGNLIRLGLAGMVLICLGIIVTCDWHSRSSFADGLLPQQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9034_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_175632

ORF Size: 813 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_175632.3](#), [NP_783440.1](#)

RefSeq Size: 1833 bp

RefSeq ORF: 816 bp

Locus ID: 232790

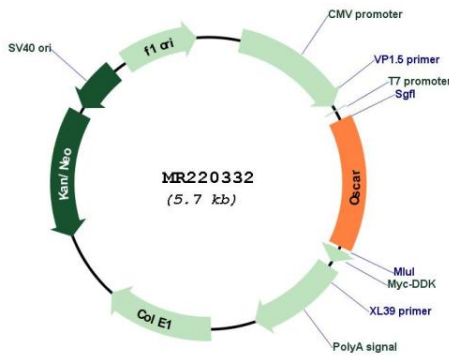
UniProt ID: [Q8VBT3](#)

Cytogenetics: 7 A1

MW: 29.8 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 MR220332