

## Product datasheet for **MG220332**

### Oscar (NM\_175632) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Oscar (NM_175632) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Oscar
Synonyms:	mOSCAR; mOSCAR-M1; mOSCAR-M2; mOSCAR-M3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220332 representing NM_175632 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTCCTGTCGCTGATACTCCAGCTGTCGACTCTCTGTGAGCTGTCCCTCCCCTGGCCTGCATGCCGTG  
CTGACTTCACACCAACAGCGCCCTAGCCTCATACCCCAGCCATGGCTGGGAGCTCATCTGCTGCAGT  
TGTGACTCCTGGGATCAACGTGACCTTGACTTGCCGCGCACCTCAATCTGCCTGGCGTTTGCACTCTTC  
AAAAGTGGCCTTGTACCCCTCTGCTCCTCCGGATGTGTCCGTTGAGCTGGCTGAGTTCTTCTCTGGAAG  
AAGTGACTCCGGCCAAGGGGGCAGTTATCACTGCCGCTACCGCAAGACAGACTGGGGCCAGGTGTCTG  
GTCTCAGCCCAGTAATGTTCTGGAAGTGTGTAACGGATCAGCTCCCCAGACCATCACTGGTGGCACTG  
CCTGGGCCTGTGGTGGCCCCGGGAGCCAACGTAAGCCTGCGCTGTGCAGGCCGCATACCGGGCATGAGTT  
TTGCACTGTACCGCGTAGGCGTGGAACCCCTCTGCAGTATATTGACTCTGTGCAGCCCTGGGCTGACTT  
CCTTTTGTATCGGCACACACACCTGGCACCTACTGTTGCTATTACCACACGCCTTCTGCCCCATATGTG  
CTATCACAGCGCAGCCAGCCACTGGTCACTAGTTTGAAGTTCTGGCTCCTTGGACTATACCCAGGGAA  
ACCTCATCCGTTTGGGGCTGGCAGGAATGGTCTCATCTGCTTGGGCATCATAGTTACTTGTGATTGGCA  
CAGCAGGAGCTTGCCTTTGATGGTCTCCTGCCCCAGCAAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220332 representing NM\_175632  
 Red=Cloning site Green=Tags(s)

MVLSLILQLSTLCELSPWPACRADFTPTAPLASYPQPWLGAHPAAVVTPGINVTLTCRAPQSAWRFALF  
 KSLGLVTPLLLRLDVSVELAEFFLEEVTPAQGGSYHCRYRKTDWGPGVWSQPSNVLELLVTDQLPRPSLVAL  
 PGPVVAPGANVSLRCAGRIPGMSFALYRVGVATPLQYIDSVQPWADFLLIGTHTPGTYCCYYHTPSAPYV  
 LSQRSQPLVISFEGSGSLDYTQGNLIRLGLAGMVLICLGIIVTCDWHSRSSFADGLLPQQN

TRTRPLE - GFP Tag - V

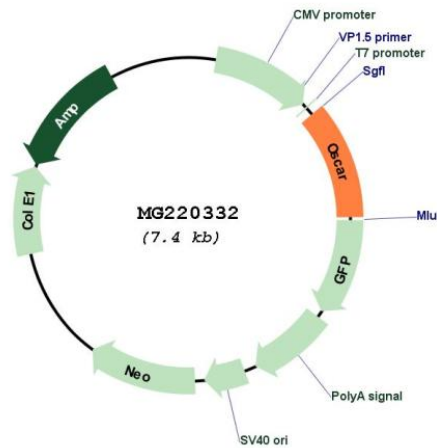
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_175632

ORF Size: 813 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175632.3</a> , <a href="#">NP_783440.1</a>
<b>RefSeq Size:</b>	1833 bp
<b>RefSeq ORF:</b>	816 bp
<b>Locus ID:</b>	232790
<b>UniProt ID:</b>	<a href="#">Q8VBT3</a>
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	Regulator of osteoclastogenesis which plays an important bone-specific function in osteoclast differentiation.[UniProtKB/Swiss-Prot Function]