

Product datasheet for **SC110782**

OSCAR (NM_133168) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSCAR (NM_133168) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSCAR
Synonyms:	PIgR-3; PIGR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_133168, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCTGGTGTGATCCTCCAGCTGCTGACCCCTTCCCCCAGCTTCATACCACCCTAAGCCATGGC
TGGGAGCTCAGCCGGCTACAGTTGTGACCCCTGGGGTCAACGTGACCTTGAGATGCCGGGCACCCCAACC
CGCTTGGAGATTTGGACTTTTCAAGCCTGGAGAGATCGCTCCCCTTCTCTCCGGGATGTGTCTCCGAG
CTGGCAGAATTCTTTCTGGAGGAGGTGACTCCAGCCCAAGGGGGAAGTTACCGCTGCTGCTACCGAAGGC
CAGACTGGGGGCCGGGTGTCTGGTCCCAGCCCAGCGATGTCTGGAGCTGCTGGTGACAGAGGAGCTGCC
GCGGCCGTGCTGGTGGCGCTGCCCGGGCCGGTGGTGGGTCTGGCGCCAACGTGAGCCTGCGCTGCGCG
GGCCGCTGCGGAACATGAGCTTCGTGCTGTACCGCGAGGGCGTGGCGGCCCGCTGCAGTACCGCCACT
CCGCGCAGCCCTGGGCCGACTTCACGCTGCTGGGCGCCCGCGCCCCGGCACCTACAGCTGCTACTATCA
CACGCCCTCCGCGCCCTACGTGCTGTGCGCAGCGCAGCGAGGTGCTGGTCATCAGCTGGGAAGACTCTGGC
TCCTCCGACTACACCCGGGGGAACCTAGTCCGCCTGGGGCTGGCCGGGCTGGTCCCTCATCTCCCTGGGCG
CGCTGGTCACTTTTACTGGCGCAGTCAGAACCAGCGCTCCTGCTGGTATCCGCCCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_133168 unedited GTTCAGATTTTGTAAACGACTCACTATAGNNGCGGCCGCGTGTATCCTCCAGCTGCTG ACCCTCTGGCCTCTGTGTACACAGACATCACTCCGTCTGTCCCCCAGCTTCATACCAC CCTAAGCCATGGCTGGGAGCTCAGCCGGCTACAGTTGTGACCCCTGGGGTCAACGTGACC TTGAGATGCCGGGCACCCCAACCCGCTTGGAGATTGGACTTTTCAAGCCTGGAGAGATC GCTCCCTTCTCTCCGGGATGTGTCTCCGAGCTGGCAGAATTCTTTCTGGAGGAGTG ACTCCAGCCCAAGGGGAAGTTACCGCTGCTGTACCGAAGCCAGACTGGGGGCCGGGT GTCTGGTCCCAGCCAGCGATGTCTGGAGCTGCTGGTGACAGAGGAGCTGCCGCGGCCG TCGCTGGTGGCGCTGCCGGGCCGTTGGTGGTCTGGCGCAACGTGAGCCTGCGCTGC GCGGGCCGCTGCGGAACATGAGCTTCGTGCTGTACCGGAGGGCGTGGCGGCCCGCTG CAGTACCGCCACTCCGCGCAGCCCTGGGCCGACTTACGCTGCTGGCGCCCCGCGCCCC CGGCACCTACAGCTGCTACTATTACACGCCCTCCGCGCCCTACGTGCTGTGCGAGCGCA CCGAGGTGCTGCCATATCCTGGGAAGACTCTGCTTCTCCGCTACCCCGGGGAACCTA CTCGCCGGGCTGCCCGCTGGTCTAATTTCTGGGGCGCCGCAACTTTGACTGCGCAC CAGACGCGCTCTGCTGTATTCGCCCTGACCCAGGACACTGAACCGAGACTTCAACTGAGG GGGGAAAAGTGGACCCGCTGGATGGCTTTTCTGCACCCCAAGGCTGCTGTTACTTCCG GGACGGGCCTAAACCCGTGGCCCT
Restriction Sites:	NotI-NotI
ACCN:	NM_133168
Insert Size:	1500 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:	<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:	NM_133168.2 , NP_573398.1
RefSeq Size:	1395 bp
RefSeq ORF:	759 bp
Locus ID:	126014
UniProt ID:	Q8IYS5
Cytogenetics:	19q13.42
Domains:	IG
Protein Families:	Druggable Genome

Gene Summary:

Osteoclasts are multinucleated cells that resorb bone and are essential for bone homeostasis. This gene encodes an osteoclast-associated receptor (OSCAR), which is a member of the leukocyte receptor complex protein family that plays critical roles in the regulation of both innate and adaptive immune responses. The encoded protein may play a role in oxidative stress-mediated atherogenesis as well as monocyte adhesion. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (5) lacks two in-frame exons in the central coding region and lacks an internal segment in its 3' coding region, compared to variant 1. The encoded isoform (5) is shorter and has a distinct C-terminus, compared to isoform 1.