

## Product datasheet for **SC335054**

### OSCAR (NM\_001282349) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OSCAR (NM_001282349) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSCAR
Synonyms:	PiGR-3; PIGR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282349, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCTGGTGCTGATCCTCCAGCTGCTGACCTCTGGCCTCTGTGTCACACAGACATCACTCCGTCTG
TCCCCCAGCTTCATACCACCCTAAGCCATGGCTGGGAGCTCAGCCGGCTACAGTTGTGACCCCTGGGGT
CAACGTGACCTTGAGATGCCGGGCACCCCAACCCGCTTGGAGATTTGGACTTTTCAAGCCTGGAGAGATC
GCTCCCTTCTCTCCGGGATGTGTCCTCCGAGCTGGCAGAATTCTTTCTGGAGGAGGTGACTCCAGCCC
AAGGGGAAGTTACCGCTGCTGCTACCGAAGGCCAGACTGGGGGCCGGGTGTCTGGTCCCAGCCCAGCGA
TGTCTGGAGCTGCTGGTGACAGAGGAGCTGCCGCGCCGTCGCTGGTGGCGCTGCCGGGCCGGTGGTG
GGTCTGGCGCCAACGTGAGCCTGCGCTGCGCGGGCCGCTGCGGAACATGAGCTTCGTGCTGTACCGCG
AGGGCGTGGCGGCCCGCTGCAGTACCGCCACTCCGCGCAGCCCTGGGCCGACTTACGCTGCTGGGCGC
CCGCGCCCCCGGCACCTACAGCTGCTACTATCACACGCCCTCCGCGCCCTACGTGCTGTGCGAGCGCAGC
GAGGTGCTGGTCACTAGCTGGGAAGGTGAGGGCCCTGAGGCCCGGCCGCTCCTCCGCCCCAGGAATGC
AGGCCCCAGGACCTCCGCCCTCAGACCCAGGAGCCAGGCCCCAGCCCTCTCCTCCTTACAGCCAGGGG
TCTAGTCTGCAGCCCTCCTCCCTCAGACCCAGGATTCTGGGACCCAGCCCTCCTCCCTCAGATCCA
GGAGCTAG
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001282349
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).



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<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>	<u>NM_001282349.1, NP_001269278.1</u>
<b>RefSeq Size:</b>	2061 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	126014
<b>UniProt ID:</b>	<u>Q8IYS5</u>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (6) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (6) is shorter, compared to isoform 1.</p>