

Product datasheet for **SC308265**

OSCAR (NM_206818) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSCAR (NM_206818) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSCAR
Synonyms:	PlgR-3; PIGR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308265 representing NM_206818. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCTGGTGCTGATCCTCCAGCTGCTGACCCTCTGGCCTCTGTGTCACACAGACATCACTCCGCTCT
GTGGCCATTATAGTCCCCCAGCTTCATACCACCCTAAGCCATGGCTGGGAGCTCAGCCGGCTACAGTT
GTGACCCTGGGGTCAACGTGACCTTGAGATGCCGGGCACCCCAACCCGCTTGGAGATTTGGACTTTTC
AAGCCTGGAGAGATCGTCCCCTTCTCTCCGGGATGTGCTCCGAGCTGGCAGAATTCCTTCTGGAG
GAGGTGACTCCAGCCCAAGGGGAAGTTACCGCTGCTGCTACCGAAGGCCAGACTGGGGCCGGGTGTC
TGGTCCCAGCCCAGCGATGTCCTGGAGCTGCTGGTGACAGAGGAGCTGCCGCGGCCGTCGCTGGTGGCG
CTGCCCGGGCCGGTGGTGGGTCCTGGCGCAACGTGAGCCTGCGCTGCGCGGGCCGCTGCGGAACATG
AGCTTCGTGCTGTACCGCGAGGGCGTGGCGGCCCGCTGCACTACCGCCACTCCGCGCAGCCCTGGGCC
GACTTCACGCTGTGGCGCCCGCGCCCGGACCTACAGCTGCTACTATCACACGCCCTCCGCGCCC
TACGTGCTGTGCGAGCGCAGCGAGGTGCTGGTCACTCAGCTGGGAAGGTGAGGGCCCTGAGGCCCGGCC
GCCTCCTCCGCCCAGGAATGCAGGCCCCAGGACCTCCGCCCTCAGACCCAGGAGCCAGGCCCCAGC
CTCTCCTCCTCAGACCCAGGGGTCTAGTCTGCAGCCCTCCTCCCTCAGACCCAGGATTCCTGGGAC
CCAGCCCCTCCTCCCTCAGATCCAGGAGTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_206818
Insert Size:	861 bp



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_206818.2</u>
RefSeq Size:	2073 bp
RefSeq ORF:	861 bp
Locus ID:	126014
UniProt ID:	<u>Q8IYS5</u>
Cytogenetics:	19q13.42
Protein Families:	Druggable Genome
MW:	30.9 kDa
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1).</p>