

Product datasheet for **RC237070**

OSCAR (NM_001282350) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: OSCAR (NM_001282350) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: OSCAR
Synonyms: PlgR-3; PIGR3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237070 representing NM_001282350
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCTGGTGTGCTGATCCTCCAGCTGCTGACCCTCTTCCCCCAGCTTCATACCACCCTAAGCCATGGC
TGGGAGCTCAGCCGGCTACAGTTGTGACCCTGGGGTCAACGTGACCTTGAGATGCCGGGACCCCAACC
CGCTTGGAGATTTGGACTTTTCAAGCCTGGAGAGATCGCTCCCTTCTCTCCGGGATGTGCTCCGAG
CTGGCAGAATTCTTTCTGGAGGAGGTGACTCCAGCCCAAGGGGAAGTTACCGCTGCTGCTACCGAAGGC
CAGACTGGGGGCCGGGTGTCTGGTCCCAGCCCAGCGATGTCTGGAGCTGCTGGTACAGAGGAGCTGCC
GCGGCCGTCGCTGGTGGCGCTGCCCGGGCCGGTGGTGGGTCTGGCGCCAACGTGAGCCTGCGCTGCGCG
GGCCGCTGCGGAACATGAGCTTCGTGCTGTACCGCGAGGGCGTGGCGGCCCGCTGCAGTACCGCCACT
CCGCGCAGCCCTGGGCGACTTCACGCTGCTGGCGCCCGCGCCCCGGCACCTACAGCTGCTACTATCA
CACGCCCTCCGCGCCCTACGTGCTGTGCGAGCGCAGCGAGGTGCTGGTATCAGCTGGGAAGGTGAGGGC
CCTGAGGCCCGGCCCGCTCCTCCGCCAGGAATGCAGGCCCGAGGACCTCCGCCCTCAGACCCAGGAG
CCAGGCCCGCAGCCTCCTCCTTCAGACCCAGGGGTCTAGTCTGCAGCCCTCCTCCCTCAGACCCA
GGATTCCTGGGACCCAGCCCTCCTCCCTCAGATCCAGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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:	<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_001282350.1 , NP_001269279.1
RefSeq Size:	2028 bp
RefSeq ORF:	816 bp
Locus ID:	126014
UniProt ID:	Q8IYS5
Cytogenetics:	19q13.42
Protein Families:	Druggable Genome
MW:	29.7 kDa
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]