

## Product datasheet for **SC328549**

### OSMR (NM\_001168355) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OSMR (NM\_001168355) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** OSMR  
**Synonyms:** IL-31R-beta; IL-31RB; OSMRB; OSMRbeta; PLCA1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC328549 representing NM\_001168355.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCTATTTGCAGTCTTTCAGACAACATTCTTCTAACATTGCTGTCCCTTGAGGACTTACCAGAGT
GAAGTCTTGGCTGAACGTTTACCATTGACTCCTGTATCACTTAAAGTTTCCACCAATTCTACGCGTCAG
AGTTTGCACCTTACAATGGACTGTCCACAACCTTCTTATCATCAGGAATTGAAAATGGTATTTTCAGATC
CAGATCAGTAGGATTGAAACATCCAATGTCATCTGGGTGGGAATTACAGCACCCTGTGAAGTGGAAC
CAGGTTCTGCATTGGAGCTGGGAATCTGAGCTCCCTTTGGAATGTCCACACACTTTGTAAGAATAAAG
AGTTTGGTGGACGATGCCAAGTCCCTGAGCCAAATTTCTGGAGCAACTGGAGTTCCTGGGAGGAAGTC
AGTGTAACAAGATTCTACTGGACAGGATATATTGTTTCGTTTTCCCTAAAGATAAGCTGGTGGAAAGGC
ACCAATGTTACCATTTGTACGTTTCTAGGAACATTCAAATAATGTATCCTGTTATTTGGAAGGGAAA
CAGATTCATGGAGAACAACCTTGATCCACATGTAAGTGCATTCAACTTGAATAGTGTGCCTTTCATTAGG
AATAAAGGGACAAATATCTATTGTGAGGCAAGTCAAGGAAATGTCAGTGAAGGCATGAAAGGCATCGTT
CTTTTGTCTCAAAAGTACTTGGAGGCCAAGGACTTTTCTTGTGAAACCGAGGACTTCAAGACTTTG
CACTGACTTGGGATCCTGGGACGGACTGCCTTGGGTGGTCTAAACAACCTTCCCAAAGCTACACT
TTATTTGAATCATTTTCTGGGAAAAGAACTTTGTACACAAAAAACTGGTGAATTGGCAAATAACT
CAAGACTACAAGAACTATAACTTCACACTCATAGCTGAAAATTACTTAAGGAAGAGAAGTGTCAAT
ATCCTTTTAAACCTGACTCATCGAGGTGAGACTAGAGTTGTACAGCCACCCTGGCCACTAA
AGCGGACCGACGCGTACGCGGCCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
```

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001168355  
**Insert Size:** 1029 bp



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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<b>OTI Annotation:</b>	<p>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.</p>
<b>Components:</b>	<p>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).</p>
<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_001168355.2</a>
<b>RefSeq Size:</b>	1825 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	9180
<b>UniProt ID:</b>	<a href="#">Q99650</a>
<b>Cytogenetics:</b>	5p13.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
<b>MW:</b>	39.5 kDa

**Gene Summary:**

This gene encodes a member of the type I cytokine receptor family. The encoded protein heterodimerizes with interleukin 6 signal transducer to form the type II oncostatin M receptor and with interleukin 31 receptor A to form the interleukin 31 receptor, and thus transduces oncostatin M and interleukin 31 induced signaling events. Mutations in this gene have been associated with familial primary localized cutaneous amyloidosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]