

## Product datasheet for SC331820

### ORP1 (OSBPL1A) (NM\_001242508) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ORP1 (OSBPL1A) (NM\_001242508) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ORP1  
**Synonyms:** ORP-1; ORP1; OSBPL1B  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC331820 representing NM\_001242508.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGATTAAGGAGTGTGACATGGCTAAAGAAATGCTTCCATCATTCTTCAGAAAGTTGAAGTTGTCTCA
GAAGCTTCTAGAGAACTTGTGTAGCTTTGACTGATTGCCTTAATCTCTTCACCAAACAAGAAGGGTG
AGGAATTTTAAATTGGAACAAGAGCAAGAAAAAACAATCTTGTGAGAAGCACTGGAGACGCTGGCC
ACTGAACATCATGAATTAGAGCAGTCTCTGGTGAAGGCTCTCCACCCGCCAGCATCCTTAGCGAGGAC
GAGTTCTATGATGCGCTGTCAGATTCGAGTCCGAAAGGTCCTGAGTAGATTGGAAGCAGTGACAGCA
CGCTCCTTTGAAGAGGAAGGAGAGCATTGGGCGAGTAGAAAACACAGAATGTCCGAAGAAAAAGACTGT
GGTGGCGGAGATGCTCTCCAATGGCATCAAGAAACACAGAACAAGTTTGCCTTCTCCTATGTTTTCC
AGAAATGACTTCAGTATCTGGAGCATCCTCAGAAAATGTATTGGAATGGAATATCCAAGATCACGATG
CCAGTTATATTTAATGAGCCTCTGAGCTTCTACAGCGCCTAACTGAATACATGGAGCATACTTACCTC
ATCCACAAGGCCAGTTCACTCTCTGATCCTGTGGAAAGGATGCAGTGTGTAGCTGCGTTTGTGTATCT
GCTGTTGCTTCTCAGTGGGAACGGACTGGAAAACCTTTCAACCCACTGCTGGGAGAGACTTATGAATTA
GTGCGAGATGACCTTGGATTTAGACTCATCTCCGAACAGGTCAGCCATCACCCACCAATCAGTGCATTT
CATGCTGAAGGATTAACAATGACTTCATCTTTCATGGCTCTATCTATCCAAACTGAAATCTGGGGG
AAGAGTGTAGAAGCAGAACCACAAAGGAACCATCACCTTGGAGCTCCTTGAACACAATGAGGCATATACA
TGGACAAATCCCACCTGCTGTGTGCATAATATCATTGTGGGTAACACTGGGATCGAACAGTATGGCAAT
GTGGAATTATAAACCACAAGACTGGGGACAAATGTGTGTTGAATTTAAGCCATGTGGCCTTTTTGGT
AAGGAATTACACAAAGTTGAAGGCTACATTCAAGATAAAAGCAAAAAGAAGCTCTGTGCCCTCTATGGG
AAGTGGACTGAATGTTTATACAGTGTGACCCTGCCACGTTTACGCTTACAAAAAAATGATAAGAAA
AATACAGAAGAGAAGAAGAACAGCAAACAGATGAGCACCTCTGAGGAGTTGGATGAAATGCCAGTGCCG
GATTCTGAAAGTGTATTCATTATCCCTGGAAAGCGTTCTTCTATGGCGAATAGCCCCACGGCTCCAAT
TCTGCCAGATGTATAATTTACTAGTTTGAATGGTTTTGAATGAAGTAGACAAAGACATGGAGAGT
GTGATTCCAAGACAGACTGCAGTTACGGCCTGACATCAGAGCCATGGAAAATGGAGAGATAGATCAA
GCTAGTGAAGAAAAAACGACTTGAGGAAAAACAAAGAGCAGCCGCAAAAACAGGTCCAAGTCAGAA
GAGGACTGGAAGACGAGGTGGTTCCATCAAGGTCTAATCCCTACAATGGAGCACAGGACTGGATTTAC
TCTGGCAGCTACTGGGACAGAAATTACTTCAATTTGCCTGACATTTATAA
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242508



[View online »](#)

<b>Insert Size:</b>	1707 bp
<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_001242508.1</a>
<b>RefSeq Size:</b>	2968 bp
<b>RefSeq ORF:</b>	1707 bp
<b>Locus ID:</b>	114876
<b>UniProt ID:</b>	<a href="#">Q9BXW6</a>
<b>Cytogenetics:</b>	18q11.2
<b>MW:</b>	65.1 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain, although some members contain only the sterol-binding domain. Transcript variants derived from alternative promoter usage and/or alternative splicing exist; they encode different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3, also known as OSBPL1C) lacks multiple exons from the 5' end and has an alternate 5' exon, which results in a downstream AUG start codon, compared to variant 2. The resulting isoform (3, also known as C) has a shorter N-terminus, and it lacks ankyrin repeats and the pleckstrin homology domain, but contains the sterol-binding domain, compared to isoform 2.</p>