

## Product datasheet for **SC310259**

### OSBPL9 (NM\_148906) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_148906) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL9
Synonyms:	ORP-9; ORP9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC310259 representing NM\_148906.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGTCCATCATGGAAGGGCCGCTGAGCAAATGGACTAACGTGATGAAGGGCTGGCAGTACCGTTGG
TTCGTGTGGACTACAATGCAGGACTGCTCTCCTACTACACGGGAGCTGTGATTGGTATAGACGATGAG
GACGACAGCACCTTCACAATAACTGTTGATCAGAAAACCTCCATTTCCAGGCCGGTATGCTGATGAG
CGAGAGAAGTGGATCCATGCCTTAGAAGAAACAATTCTCGACATACTCTCCAGTTCAAGTGGAT
TCAGGATTTGTTCTAGTGTCCAAGATTTTGATAAGAACTTACAGAAGCTGATGCTTACCTACAAATC
TTGATTGAACAATTAAGCTTTTTGATGACAAGCTTCAAACCTGCAAAGAAGATGAACAGAGAAAGAAA
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GCAATATATCAACCTAGTCCCTTTGGAACCTGTGATCAGCACAAATGCCTTCCAGACTGTGTTACCTCCA
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TTGGGACATCATCAGACTCTACACAAATAGTACAGGCAGTGGCCATTACCACCGAGTAGCAGTCTC
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GAATTTTATGATGCTGATGAATTCATCAAAGTGGCTCATCCCCAAAGCGCTTAATAGATTCTTCTGGA
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GCGGAGGCAGGGTCTGTGGAGGAGCACAAGAGCGTTATCATGCATCTCTTGTGCGAGGTTAGACTTGA
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TGGGTGGAATTAGGAGGAGAATGCAATATTAATTGTTCCAAAACAGGCTATAGTGCAAAATCATCTTC
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AAGTCTTTTTGTCAATTGAAGGGGAATGGAATGGTGTGATGTATGCAAAATATGCAACAGGGGAAAT
ACAGTCTTTGTAGATACCAAGAAGTTGCCTATAATCAAGAAGAAAGTGAAGAAAGTTGGAAGATCAGAAC
GAGTATGAATCCCGCAGCCTTTGGAAGGATGTCACCTTCAACTTAAAAATCAGAGACATTGATGCAGCA
ACTGAAGCAAAGCACAGGCTTGAAGAAAGACAAAGAGCAGAAGCCGAGAAAGGAAGGAGAAGGAAATT
CAGTGGGAGACAAGGTTATTTTCATGAAGATGGAGAATGCTGGGTTTATGATGAACCATTACTGAAACGT
CTTGGTGTGCCAAGCATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_148906

**Insert Size:** 2160 bp

**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).

<b>OTI Annotation:</b>	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.
<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_148906.2</a>
<b>RefSeq Size:</b>	3844 bp
<b>RefSeq ORF:</b>	2160 bp
<b>Locus ID:</b>	114883
<b>UniProt ID:</b>	<a href="#">Q96SU4</a>
<b>Cytogenetics:</b>	1p32.3
<b>MW:</b>	81.2 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. This family member functions as a cholesterol transfer protein that regulates Golgi structure and function. Multiple transcript variants, most of which encode distinct isoforms, have been identified. Related pseudogenes have been identified on chromosomes 3, 11 and 12. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region, uses an alternate start codon, and includes an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (b) has a longer and distinct N-terminus, compared to isoform a. Isoform b contains both a pleckstrin homology domain and a sterol-binding domain. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. This transcript contains a uAUG that would result in an 18 aa N-terminal extension, but it has a weak Kozak signal, is not supported by the vast majority of human and homologous transcripts, and dAUG use is supported by data in PMID:19413330, which selectively purifies acetylated protein N-termini and shows that Ala-2 is acetylated following cleavage of Met-1 as encoded by the dAUG.</p>