

Product datasheet for **SC101197**

OSBPL9 (NM_148904) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_148904) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL9
Synonyms:	ORP-9; ORP9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_148904, the custom clone sequence may differ by one or more nucleotides

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ATGGTAGAATCAATTAACACTGCATTGTGTGCTGCAGATTGCCAAAAGTACTATTAATCCCGTAGATG
CAATATATCAACCTAGTCTTTGGAACCTGTGATCAGCACAATGCCTCCAGACTGTGTTACCTCCAGA
ACCTGTTCAAGTTGTGTAAGTCAGAGCAGCGTCCATCTCCCTACCAGTTGGACCTGTGTTGGCTACCTTG
GGACATCATCAGACTCCTACACCAAATAGTACAGGCAGTGGCCATTACCACCGAGTAGCAGTCTCACTT
CTCCAAGCCACGTGAACCTGTCTCCAAATACAGTCCCAGAGTTCTCTTACTCCAGCAGTGAAGATGAATT
TTATGATGCTGATGAATCCATCAAAGTGGCTCATCCCCAAAGCGCTTAATAGATTCTTCTGGATCGCC
TCAGTCTGACACACAGCAGCTCGGAAAATAGTCTAAAACGCCAGATACCACAGAATCACTTAATTCTT
CCTTGCCAATGGAACAAGTGTGCTGACCTGTTTGATTACATGATGACAGAGATGATGATGCGGAGGC
AGGGTCTGTGGAGGAGCACAAGAGCGTTATCATGCATCTTTGTCGCAGGTTAGACTTGAATGGATCTT
ACTAAGGTAGTTCTTCCAACGTTTATTCTTGAAGAAGATCTCTTTAGAAATGTATGCAGACTTTTTTG
CACATCCGGACCTGTTTGTGAGCATTAGTGACCAGAAGGATCCCAAGGATCGAATGGTTCAGGTTGTGAA
ATGGTACCTCTCAGCCTTTCATGCGGGAAGGAAAGGATCAGTTGCCAAAAGCCATACAATCCCATTTTG
GGCGAGATTTTTCAAGTGTATTGGACATTACCAAATGATACTGAAGAGAACACAGAAGTTCAGAAAG
GACCAGTTCCTGGGTTTCCAAAACAGTGAACATTTGTGGCTGAGCAGGTTTCCCATCATCCACCCAT
TTCAGCCTTTTATGCTGAGTGTTTAACAAGAAGATACAATTCATGCTCATATCTGGACCAAATCAAAA
TTCCTTGGGATGTCAATTGGGGTGCACAACATAGGGCAGGGCTGTGTCTCATGTCTAGACTATGATGAAC
ATTACATTCTCACATCCCAATGGCTATGGAAGGTCTATCCTCACAGTGCCTGGGTGGAATTAGGAGG
AGAATGCAATATTAATTGTTCCAAAACAGGCTATAGTGCAAATATCATCTCCACACTAAACCCTTCTAT
GGGGCAAGAAGCACAGAATTACTGCCGAGATTTTTTCTCCAAATGACAAGAAGTCTTTTTGCTCAATTG
AAGGGGAATGGAATGGTGTGATGTATGCAAAATATGCAACAGGGGAAAATACAGTCTTTGTAGATACCAA
GAAGTTGCCTATAATCAAGAAGAAAGTGAAGAAAGTTGGAAGATCAGAACGAGTATGAATCCCGCAGCCTT
TGAAGGATGTCACCTTCAACTTAAAAATCAGAGACATTGATGCAGCAACTGAAGCAAAGCACAGGCTTG
AAGAAAGACAAAGAGCAGAAGCCCGAGAAAGGAAGGAGAAGGAAATTCAGTGGGAGACAAGGTTATTTCA
TGAAGATGGAGAATGCTGGGTTTATGATGAACCATTACTGAAACGCTTGGTGCTGCCAAGCATTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_148904 unedited

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GTTATGATTAGNATACGACTCATATAGCGCGCCGCGAAATTCGCACGAGGCTTCGACTAC
TCTCCGCTTCAAGTTTGGATTACAGGATTTGTTCCCTAGTGTCCAAGATTTTGATAAGAAAC
TTACAGAAGCTGATGCTTACCTACAAATCTTGATTGAACAATTAAGCTTTTTGATGACA
AGCTTCAAAACTGCAAAGAAGATGAACAGAGAAAGAAAATGAACTCTCAAAGAGACAA
CAAATAGCATGGTAGAATCAATTAACACTGCATTGTGTTGCTGCAGATTGCCAAAAGTA
CTATTAATCCCGTAGATGCAATATATCAACCTAGTCTTTGGAACCTGTGATCAGCACAA
TGCTTCCAGACTGTGTTACCTCCAGAACCTGTTCAAGTTGTGTAAGTCAGAGCAGCGTC
CATCTTCCCTACCAGTTGGACCTGTGTTGGCTACCTTGGGACATCATCAGACTCCTACAC
CAAATAGTACAGGCAGTGGCCATTACCACCGAGTAGCAGTCTCACTTCTCCAAGCCACG
TGAACCTGTCTCCAAATACAGTCCCAGAGTTCTTACTCCAGCAGTGAAGATGAATTTT
ATGATGCTGATGAATCCATCAAAGTGGCTCATCCCCAAAGCGCTTAATAGATTCTTCTG
GATCTGCCTCAGTCTGACACACAGCAGCTCGGAAAATAGTCTAAAACGCCAGATACCA
CAGAATCACTTAATTCTCCTTGTCCAATGGAACAAGTGTGCTGACCTGTTTGATTACAC
ATGATGACAGAGATGATGATGCNNGAGCAGGNTCTGTGGANGAGACAAANAGCGTTATCA
TGATCTCTTTGTGCGAGTTAGACTTGAATGGATCTTACTAANGGTAGTCTTCCAAACG
TTATTCTTGAAGAAGATCTCTTTAGAAATGTATGCAGACTTTTTTGACATCCGGACCTG
TTGTGAN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_148904 unedited NAAAATAGCTGTGNANCGCGCGCCGCTTCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTCC GGATTAGATACAATTTAATAATAGTTCAATTCAAAATAAAAGTTATTGTAGGTAAGACC ATGAAATTTCTAACACTTGATTTTAATACATTGCGCTAATTTTCTAAAACAACCTCAGAG GAACCCATATTTACAGTAGGCAGAATATTTATGAAAAAATCTGGCATCAGGTATATTTA TATATATGTATGTGTGTATACGTATGTGTGTATATATATGTGTGTGTGTGTGTGTA TCCCGAGATTATATGAACTAAGAAACAAGTTGTGTATCTTAACAGCAGTACTAGAGCGCA GAGTTTCAGACTTGATTATAAAATGCTTCAACGTGTGGTGTGGAAAAGGAGAAGAC ATCATCTGATTTTCAAAACCTGAAGTTTTCTCAGGACTGAAGTCAAAATCGTAACTGCC ACAGAGGGAAAAGGGAAGCTTTTCCCCTTAATTGTTTCATCTGCGTCAGAAAGTCCAGTAT CCCTGAGATAGGAACCACTGTAATTAGAAGATTGGAATGAACAGGTTTCTCCAAAGGAA GATTGTTTGTGTGAATTATGCCTACTGCCCTGATCATCAGGTATAAACTTTGCATCTT CCAACCTAATGCTTGGCAGCACCAAGACGTTTCAGTAATGGTTCATATAAACCAGCAT TCTCCATCTTCATGAAATAACCTTGTCTCCCACTGAATTTCTTCTCTTTCTCTGGG CTTCTGCTCTTTGCTCTTTCAGCCTGTGCTTTGCTTCATTGCTGCATCATGTCTCTGA TTTTAGTTTGAAGTGACATCCTTCCAAAGGCTGCCGGATTCATACTCGTTTCTGATT
Restriction Sites:	NotI-NotI
ACCN:	NM_148904
Insert Size:	2500 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).
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_148904.2, NP_683702.1</u>
RefSeq Size:	2847 bp
RefSeq ORF:	1677 bp
Locus ID:	114883
UniProt ID:	<u>Q96SU4</u>
Cytogenetics:	1p32.3
Domains:	Oxysterol_BP

Gene Summary:

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]

Transcript Variant: This variant (1) encodes the shortest isoform (a), which contains a sterol-binding domain, but not a pleckstrin homology domain. Both variants 1 and 2 encode the same isoform. 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.