

Product datasheet for **SC110752**

OSBPL9 (NM_024586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_024586) 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_024586, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCCATCATGGAAGGGCCGCTGAGCAAATGGACTAACGTGATGAAGGGCTGGCAGTACCGTTGGT
TCGTGCTGGACTACAATGCAGGACTGCTCTCCTACTACACGTCCAAGGACAAAATGATGAGAGGCTCTCG
CAGAGGATGTGTTAGACTCAGAGGAGCTGTGATTGGTATAGACGATGAGGACGACAGCACCTTCACAATA
ACTGTTGATCAGAAAACCTTCCATTTCCAGGCCGCTGATGCTGATGAGCGAGAGAAGTGGATCCATGCCT
TAGAAGAAAACAATTCTTCGACATACTCTCCAGCTTCAAGGTTTGGATTACAGGATTTGTTCTAGTGTCCA
AGATTTTGATAAGAACTTACAGAAGCTGATGCTTACCTACAAATCTTGATTGAACAATTAAGCTTTTTT
GATGACAAGCTTCAAAGCTGCAAAGAAGATGAACAGAGAAAAGAAAATTGAAACTCTCAAAGAGACAACAA
ATAGCATGGTAGAATCAATTAACACTGCATTGTGTTGCTGCAGATTGCCAAAGACCAGAGTAATGCGGA
GAAGCACGCAGATGGAATGATAAGTACTATTAATCCCGTAGATGCAATATATCAACCTAGTCCTTTGGAA
CCTGTGATCAGCACAAATGCCTTCCAGACTGTGTTACCTCCAGAACCTGTTCAAGTGTGTAAGTCAGAGC
AGCGTCCATCTTCCCTACCAGTTGGACCTGTGTTGGCTACCTGGGACATCATCAGACTCCTACACCAAA
TAGTACAGGCAGTGGCCATTACCACCCGAGTAGCAGTCTCACTTCTCAAAGCCAGTGAACCTTGTCTCCA
AATACAGTCCCAGAGTTCTTACTCCAGCAGTGAAGATGAATTTTATGATGCTGATGAATTCATCAAAA
GTGGCTCATCCCCAAAGCGCTTAATAGATTCTTCTGGATCTGCCTCAGTCTGACACACAGCAGCTCGGG
AAATAGTCTAAAACGCCAGATACCACAGAATCACTTAATTTCTTCTTGTCCAATGGAACAAGTGATGCT
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TTATCATGCATCTCTTGTGCGCAGGTTAGACTTGAATGGATCTTACTAAGGTAGTTCTTCCAACGTTTAT
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AGTGACCAGAAGGATCCCAAGGATCGAATGGTTTCAGGTTGTGAAATGGTACCTCTCAGCCTTTCATGCGG
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AGTGTAACATTTGTGGCTGAGCAGGTTTCCCATCATCCACCCATTTTCAGCCTTTTATGCTGAGTGTTTTA
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CAACATAGGGCAGGGCTGTGCTCATGTCTAGACTATGATGAACATTACATTCTCACATTCCTCAATGGC
TATGGAAGGTCTATCCTCACAGTGCCTGGGTGGAATTAGGAGGAGAATGCAATATTAATTGTTCCAAAA
CAGGCTATAGTGCAAATATCATCTTCCACACTAAACCCTTCTATGGGGCAAGAAGCACAGAATTACTGC
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GCAAAATATGCAACAGGGGAAAATACAGTCTTTGTAGATACCAAGAAGTTGCCTATAATCAAGAAGAAA
TGAGGAAGTTGGAAGATCAGAACGAGTATGAATCCCGCAGCCTTTGGAAGGATGTCACTTCAACTTAAA
AATCAGAGACATTGATGCAGCAACTGAAGCAAAGCACAGGCTTGAAGAAAGACAAAGAGCAGAAGCCCGA
GAAAGGAAGGAGAAGGAAATTCAGTGGGAGACAAGGTTATTTTCATGAAGATGGAGAATGCTGGGTTTATG
ATGAACCATTACTGAAACGTCTTGGTGTGCCAAGCATTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024586 unedited
 GGTGTCANATTTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCCAAGAT
 GGCGTCCATCATGGAAGGGCCGCTGAGCAAATGGACTAACGTGATGAAGGGCTGGCAGTA
 CCGTTGGTTCGTGCTGGACTACAATGCAGGACTGCTCTCTACTACACGTCCAAGGACAA
 AATGATGAGAGGCTCTCGCAGAGGATGTGTTAGACTCAGACCCGTGATGCTGATGAGCGA
 GAGAAGTGGATCCATGCCTTAGAAGAAACAATTCTTCGACATACTCTCCAGCTTCAAGGT
 TTGGATTCAGGATTTGTTCTAGTGTCCAAGATTTTGTAAAGAACTTACAGAAGCTGAT
 GCTTACCTACAAATCTTGATTGAACAATTAAGCTTTTTGATGACAAGCTTCAAAACTGC
 AAAGAAGATGAACAGAGAAGAAAATTGAACTCTCAAAGAGACAACAAATAGCATGGTA
 GAATCAATTAACACTGCATTGTGTTGCTGCAGATTGCCAAAAGTACTATTAATCCCCTA
 GATGCAATATATCAACCTAGTCTTTGGAACCTGTGATCAGCACAATGCCTTCCCAGACT
 GTGTTACCTCCAGAACCTGTTTCAGTTGTGTAAGTCAGAGCAGCGTCCATCTTCCCTACCA
 GTTGGACCTGTGTTGGCTACCTTGGGACATCATCAGACTCTACACCAAATAGTACAGGC
 AGTGGCCATTACCACCGAGTAGCAGTCTCACTTCTCAAAGCCACGTGAACCTGTCTNCA
 AATACAGTCCCAGAGTTCTTACTCCAGCAGTGAAGATGAATTNTATGATGCTGATGAA
 TTCCATCAAGTGCTCATCCCAAGCGCTAATAGATCTTCTGGATCTGCTCAGTCTGACAC
 ACAGCACTCGAAATGTCTAAACGCCAGAACAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024586 unedited
 TGGACGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTAAAAAAGGGTGGAAAAATTACTTTATGAAGCCTTAAGCACTAAAAATAATTA
 ATTAACCTGTAATCCAGGATTAATACAATTTAATAATAGTTCAATTCAAAATAAAAGT
 TATTGTAGGTAACCATGAAATTTCTAACACTTGATTTAATACATTGGGCTAATTTT
 CTAACAACCTCAAAGGAACCCATTTTTACAGTAGGCAGAATATTTATGAAAAAATCTG
 GCATCAGGTATATTTATATATATGGATGGGGGGGTATACGTATGGGGGGGTATATATATG
 GGGGGGGGGGGGTATCCCGAGATTTTGAACATAAAAAACAAGTTGGGTATTTTAAACA
 GCAGTACTAAAGCGCAGAGTTTCAAACCTGGATTTATAAATGCTTCAACGTGGGGGGTT
 TGGAAAAGGAAAAACATCATTTGATTTTCAAACCTGAAGTTTTTCTCAGGACTGAAGT
 CAAAATCGTAACCTGCCACAGAGGGAAAAGGGAAGCTTTTCCCCTAATTGTTTCATCTGCG
 TCAGAAAGTCCAGTATCCCTGAGATAGGAACCACTGTAATTAAGGATTGGAATGAACAG
 GTTCTCCCAAAGGAAGATTGTTTGTGCTGAATTATGCCTACTGCCCTGATCATCAGGT
 ATAAACTTTCATCTTCCAACCTAATGCTTGGCAGCACCAAGACGTTTCAGTAATGGTTC
 ATCATAAACCCAGCTTTTTCCATCCTTATGAAATAACCTTGTCTCCCATGAATTCCTTT
 TCTCTTTTCTGGGGCTTTGCTTTTTTGGTTTTTACAGCCTGGGCTTTGTTTAGNTGG
 TGCATCAATGG

Restriction Sites:

NotI-NotI

ACCN:

NM_024586

Insert Size:

2940 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:

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_024586.3](#), [NP_078862.2](#)

RefSeq Size: 2919 bp

RefSeq ORF: 2211 bp

Locus ID: 114883

UniProt ID: [Q96SU4](#)

Cytogenetics: 1p32.3

Domains: Oxysterol_BP, PH

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 (6) differs in the 5' UTR and 5' coding region, uses an alternate start codon, and includes an additional in-frame exon in its central coding region, compared to variant 1. The encoded isoform (e) has a longer and distinct N-terminus, and contains an additional internal segment, compared to isoform a. Isoform e 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.