

## Product datasheet for **SC111786**

### OSBPL3 (NM\_015550) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL3 (NM_015550) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL3
Synonyms:	ORP-3; ORP3; OSBP3
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_015550, the custom clone sequence may differ by one or more nucleotides

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ATGATGAGTGATGAGAAGAACCTTGGTGTGCCAAAAATTTGGTATCACCTTCAAGGAGCACAAGTAGCT
GCTCTTCCAAGCAAGGAAGTCGACAGGACAGCTGGGAAGTGGTGAAGGACTGAGGGGGGAGATGAATTA
CACCCAGGAGCCACCAGTTCAGAAAGGATTTTTGCTGAAAAAGAGGAAGTGGCCCTAAAAGGCTGGCAT
AAGAGATTCTTCTATCTGGACAAAGGAATCTTGAATATGCCAAGAGCCAAACCGATATAGAGAGAGAGA
AGCTGCATGGCTGCATTGATGTCGGGCTCTCAGTGATGTCTGTAAGAAGTCATCAAATGCATAGACCT
TGACACCGAGGAGCACATCTACCATCTGAAGTCAAGTCAGAAGAAGTCTTTGATGAGTGGGTATCGAAA
CTTCGCCACCACAGAATGTATCGTCAGAATGAAATGGCCATGTTCCACATGAAGTTAACCACTTTTTCT
CAGGGTCCACCATCACAGACTCTCATCTGGGGTGTGGACTCCATTTCAAGTAGGAAGCGTAGCAGTAT
ATCAAAGCAGAATTTATTTCAAAGTGAAGCAATGTATCATTTTTCTGTGGTGGTGAACACGAGTTCCA
TTATGGTTACAGTCTTCAGAGGACATGGAAAAATGCTCCAAAGACCTGGCGCACTGTATGCCTACCTGG
TAGAAATGAGCCAGCTCCTGCAAAGCATGGACGTCTGCATCGGACATACTCGGCACCAGCTATCAACGC
CATCCAGGGTGGATCTTTTGAAGTCCCAAAAAGGAAAAAAGATCGCACAGGAGGTGGCGGTCCAGAGCT
ATTGGCAAAGATGCTAAAGGAACACTGCAGGTCCCGAAACCTTTTTCTGGCCAGTAAGACTACACTCCT
CCAATCCTAATTTGTCAACACTAGATTTTGAGAGAAGAGAAAAATTTCTGATGGCTCTGAAACCTCATC
AGAGTTTTCTAAAATGCAAGAAGATCTGTGTCATATTGCCATAAAGTTTACTTCACTTTAAGGTCAGCT
TTAATATCATGTGAGCGGAGAGAGAAAACTGAAGCAGCTGATGGAGCAGGATGCCTCCTCCTCCCGT
CTGCTCAGGTCAATGGTCTGAAGAACGCCCTGTATCCGCCCTAGCACAAAACACAGATCTTAAAGAACG
CTTACGCAGAATCCATGCCGAGTCTCTGCTCCTCGACTCCCCCGTGTGCGCAAGTCGGGTGACAATCTG
GCAGAGAAAACTCCAGAGATGAAAACCGAGCTAGTTTATCATCAGCTTTCTAATGAAAGTAGACTCCCA
TCACTGACTCCCTTTCTGAGTTTTTTGATGCTCAGGAAGTTCTGTTATCTCCAAGCTCTTCAGAAAAACA
GATTTCTGATGATGACTCATATGTCAGTGACATAAGTGATAATCTTTCCTTAGATAATCTCAGTAATGAT
TTAGATAATGAGAGACAGACCTTGGGCGCTGTCTTGTATAGTGGTGGGAAGCGAAGTCCCGGAGAAGAA
CGTGCCTGCCGCGCCCTGCCGAGCAGCAGTAACATCAGCCTGTGGAACATCCTGAGGAACAACATCGG
GAAGGACCTGTCCAAGGTGGCCATGCCGGTGGAGCTGAACGAGCCCTGAACACGCTGCAGAGGCTCTGC
GAGGAGCTGGAGTACAGCGAGCTCCTGGACAAGGCCGCGCAGATCCCAGCCCCCTGAAAGGATGGTAT
ATGTGGCAGCCTTTGCCATATCAGCGTATGCATCTAGCTACTACCGAGCTGGAAGCAAGCCATTTAATCC
GGTTCTTGAGAAACATATGAATGTATTCGGGAGGACAAGGGCTCCAGTTTTTTTTCAGAACAGGTCAGC
CACCATCCGCCTATCTCTGCGTGTATGCTGAGTCTAGAAATTTGTTTTCTGGCAAGATGTGAGATGGA
AAAACAAATCTGGGGCAAATCCATGAAATTTGTTCCAATTGGCACAACCCATGTGACTCTGCCAGTTTT
TGGGGATCATTTTGTGAGTGAACAAAGTGACCTCTTGATCCATAACATCTTAAGCGGGCAGAGGTGGATT
GAGCACTATGGAGAGATTGTCAAGAACCTGCATGATGATTCTGCTACTGCAAAGTGAATTTTATAA
AGGCAAAATACTGGAGCACTAATGCCATGAGATTGAAGGCACAGTGTGGACAGGAGTGGAAAAGCGGT
TCATCGGCTGTTGGGAAATGGCATGAAAGCATCTACTGTGGCGGCGCTCCTCTCTGCCTGTGTATGG
AGAGCAAATCCTATGCCGAAAGGCTACGAGCAATACTATAGCTTACACAGTTTGGCTGGAATTAATG
AAATGGATCCATCATCAAAGTCTTTATTGCCACTACTGACACTCGATTTAGGCCAGACCAGGTTTCT
AGAGGAAGGGAACCTAGAAGAAGCTGAAATACAAAAGCAGAGGATTGAACAACTGCAGAGAGAAAAGGCGG
CGGGTCTTAGAAGAAAATCATGTGGAGCACCAGCCTCGGTTTTTTCAGGAAATCCGACGATGACTCTGGG
TGAGCAACGGCACCTATTTGGAACCTAGAAAAGATCTTGGTTTTTCCAACTGGACCATCTGTCTTATG
GTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015550 unedited  
 NTTGTTTCGNTTTTGTATACGACTCCTATAGGGCGGCCGCGATTCCGGCACGAGGGAGCGCT  
 TCGCGGCCGGTGCAGCAGCGCGGCTCCGGCCCCGAGTCTGTCTGCAAGTGGCCATCCCCG  
 CCCCCGACTCCTGCGGCCGGTGCAGGAGCTGTGAGCTGCACGTTGCGGGGTACCGGAGA  
 AGCCGGGGTTCGCTTCTCCCGTTCTGTGCGCTAACCCCGGAGCCCGGCCCGGGAACT  
 AGGGAGCGTCTCCGGCTGCACAGCGCTCAGGTTTTAGGGTTTCCTTTGGGCCACCAAAA  
 TGTTTTTAAATACTTTGGATAAGAGCTAAACCACTGCCACTGGGGACTTCCACTCTCT  
 CGGCTCCCTTGTATCTGATGGCATTGATTGTCTCGAGGCCAAGTGACTTGTGTCCA  
 TGATGAGTGATGAGAAGAACCTTGGTGTGTCCCAAAAATTGGTATCACCTTCAAGGAGCA  
 CAAGTAGCTGCTCTTTCAAGCAGGAAGTCGACAGGACAGCTGGGAAGTGGTGAAGGACT  
 GAGGGGGGAGATAATTACACCCAGAGCCACCAGTTCAGAAAGGGATTTTGTGNAAAAAG  
 AAGAAGTGGCCCTTAAAAGGCTGGCATAAGAGATTCTTCTATCTGGACAAAGGATCTTGA  
 AATATTGCCAGACCAACCGATATANAGAGAAGAGAGCTGCATGGCTGCATTTGATGTC  
 GGCTCTCAGTGATGTCTGTTAAGAAGTCATCANAATGCATAGACCTTTGACACCGAGAGC  
 ACATCTACCCATCTGAGGGTCAGTCAGAAGAAGCTTTGATGAGTGGGTATCGAAACTTC  
 GCCACCACAGATGTATCGTCAGAATGAAAATGCCATGNTTNCACATGAAGNTAACCACTT  
 TTTCTCAGGNTCCACATCACAGC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_015550 unedited  
 CTTGGACGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAATCTTTCATTT  
 TTATTAATAGTTTATATATAAAAAAGAATGTCAAGGTGTTCTACATTCATATAAACAATC  
 AGGGTAACATTTGAAATTGTAAGAAAACGCACTGAGGAAAATATAGACTTAAAGAGTTAC  
 AATGCTAAGCTAAGCACAAAGTGATCATCTAGAGTATCTTTTAAATATATAAACACAGGT  
 TTGTGCCACTTCAGAAGGCAAGCACAGGAGAAATACACTAATGTTATCTTTCTTCTTTAC  
 TTTTTACCATAAGACAGGATGGTCCAGTTTGGAAAAACCAAGATCTTTTCTAAGTTCCA  
 AATAGGTGCCGTTGCTCACCCAAGAGTCATCGTCGGATTTCTGAAAAACCGAGGCTGGT  
 GCTCCACATGATTTTCTTCTAAGACCCGCCCTTTCTCTCTGCAGTTGTTCAATCTCT  
 GCTTTTGTATTTTCTTCTAAGTTCCCTTCTCTAGAAAACCTCTGGTCTGGCCTAA  
 ATCGAGTGTGAGTGGCATTAAAGACTTTGATGATGGATCCATTTTCAATTTAATTTCA  
 GCGCAAAGTGTGGGAAGCTATAGTATTGCTCGTAGCCCTTCGGCATAGGATTTGCTCTCA  
 TACCCAGGCAGAAAGAGAGCCCCGCACAGTAAATGCTTTTATGCAATTTCCACACAGCCG  
 ATGAACCGCTTTTCCACTTCTGTCAAACACTGTGCCCTTTAATTTACGGGCCATAGGTG  
 CTCCAGTATTTTGCCTTATAAAAACTTTTGCAGTACAAGGATCATCATGCCAGGTCT  
 GGAGGACATTTTCAATAAGGTTAATCCACCTTTGCCGTTTAAATGTTTGGATGCAGAGA  
 GCCCTTTTCCCTAAAATGACCCAAAACCTGGCAGACCACAGGGTTTGGCCATATGGAAC  
 AATTCTAGGTTTGCCTTCAATCTT

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_015550

**Insert Size:**

3700 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\\_015550.2](#), [NP\\_056365.1](#)

**RefSeq Size:** 6730 bp

**RefSeq ORF:** 2664 bp

**Locus ID:** 26031

**UniProt ID:** [Q9H4L5](#)

**Cytogenetics:** 7p15.3

**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. The encoded protein is involved in the regulation of cell adhesion and organization of the actin cytoskeleton. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (1) encodes the longest isoform (a). Isoform a contains a pleckstrin homology domain and a sterol-binding domain. It is also known as isoform 1a.