

Product datasheet for **SC124874**

OSBPL7 (NM_145798) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL7 (NM_145798) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL7
Synonyms:	ORP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124874 sequence for NM_145798 edited (data generated by NextGen Sequencing)

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ATGGACTTCCAAGAGAGGGGACCCGCCCTTCTGCCTGAGAGCGCTCAGTCTCAAAGCCC
AGCAGTGTCTCAGCAGGCCTCTGAGCTGTGGGAGGTGGTGGAGGAGCCTCGGGTCAGGCTG
GGGACAGAGGGTGTATGCCTGAGAGGCAGGAAGTACCTGTCTAAGAAGAGGAAGTGG
CCTCTGAAGGGCTGGCACAAGAGATACTTTGTGCTCGAGGACGGGATCCTTCATTATGCA
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GTCATGTCCATCAACAAAAGGCCAGCGCATTGACCTTGACACTGAAGACAACATCTAC
CACCTCAAGATCAAATCCCAGGACCTATTCCAGAGCTGGGTGGCGCAGCTGCGTGCCAC
CGCCTAGCCACCGCCTGGACATGCCCCGTGGCTCACTGCCAGTACTGCTCACCGAAG
GTTCTGGTGCCAGTTCACACAGCAGTACTGCCTCAGCCCTACCTGGGCTTGGACCG
CGGGAGAAAGTGTCTTCTGGCTGAGGGACAGTATGGGCTGGACCGCTGCTCTCATGAG
CTCTCTGAGTGTGAGGGGAAGCTCCAGGAACACACAGGCTCCTCCAGAGCCTGGAGTCC
CTGACCCGAATCCCCTCAGCCCCTGTTATCCCCACACACCAGGCCTCAGTGACAACCGAA
AGACCCAAGAAGGGGAAACGGACAAGCCGCATGTGGTGCACCCAGAGCTTTGCCAAGGAT
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AACACACAGGACAGCTCCTGCCACTGCAAGATCACCTTCTGCAAGGCCAAGTACTGGAGT
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TGGAAACCCAACCTCAATGCCCCCGACCATGAGCGAAACTTCGGCTTACCCAGTTTGCC
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AGAAGGATCGAGCAGCTGCAGCGAGACAGGCGCAAAGTCAATGGAGGAAAACAACATCGTA
CACCAGGCTCGTCTTTCAGGCGGACAGCGGATAGCAGCGGAAAGAGTGGTGGGTGACC
AACAACTACTGAGGCTGCGGGCCGAGCCAGGCTACGGGAACATGGATGGGGCCGTG
CTCTGGTAG

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Clone variation with respect to NM_145798.2
2499 t=>c

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_145798 unedited</p> <pre>TCCCCGCCCCGTTGNCGCTAAGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAAGCA GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA ATTCGGCACGAGGGTTCTGCAGCAGCTGCTGCCACTGCTCAGCGCGGTGAGGAGGGAGC CGGTGACTCGGAGACGGTGACTCAGAGGCAGAGCGGCCAAGGGCCAAGGAGTACTGGCG TCCATGGACCCCTGGGGACCCCGTCAGGAGCAGGTGACATCCTTCCCTTCCACCCTGCTC CTGCTCTACATCCCCAGCAGGGAGTGGCCTCTCCCTTCTCCATGGACTCCAAGAGAGG GACCCGCCCTTCCCTGCCTGAGAGCGCTCAGTCCTCAAAGCCCAGCAGTGCTCAGCAGGCC TCTGAGCTGTGGGAGGTGGTGGAGGAGCCTCGGGTCAGGCTGGGACAGAGGGTGTGATG CCTGAGAGGCAGGAAGGTCACCTGCTCAAGAAGAGGAAGTGGCCTCTGAAGGGTGGCAC AAGAGATACTTTGTGCTCGAGGACGGGATCCTTCATTATGCAACAACCCGGCAAGACATC ACCAAGGGGAAGCTCCATGGCTCCATCGATGTCCGGCTGTGCGTCATGCCATCAACAAA AAGGCCACGCGCATTGACCTTGACTGAAGACAACATCTACCACCTCAAGATCAAATCC CAGGACCTATTCCAGAGCTGGTGGCGCAGCTGCGTGCCACCGCTAGCCACCGCCTG GACATGCCCGTGGCTCACTGCCAGTACTGCTACCGGAAGGGTCTGGTGCCNNAGCT TNCACAGCAGCTACTGGCTCAGCCCTACCTGGGCTTGGACCGCGGAGAAGTGTCTTCCC TGCTGAGGNACAGTGATGGGCTGGACCGCTGCTCTCATGAGCTCTGAGTGTACGCGGA AGCTCCAAGGACTACACAGCT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_145798 unedited</p> <pre>GACAACTAGGGTCCGTGTGCCCACTTGAAGATTCTGTTTTTTTTTCTTTTTTTTTGG GGCAGTCTTTATTGGGAGCTTGTGATGTCATAGCAATTCGCCCTCATCAGAGGCAGACTG TTGAGAAAAGAGCAGCGATGTGGTGGACCCAGCAGGGGAAGGCCGGGTACATGAGGG AGCCCTGCTTGCCTGCAAGCAGGGCACAGGCGCACACGCATACACTCTCCTACATGAACT TACACTCACACCTGCGCACTCGCTGCCGGTGGGTGAGGACAGGTGCCTTGGGCTGCTC CCCTCCTCATGGAGAGCCCTCCTCCACTCTGGGGATCCGCTGAGCTGAGACGGGAGGGA ACCGCTTGAGGATCAGGGACGAAGGAGCTGGAAGCTGCAGGCATTTTGCAGTTAGGGAGA AGGGATCCAGGACAGGAGGGATGCCAGGGACTAACCAAAGGGAGCTGGAGAAAGCCCTG CAGGGCAGGGAAGGGGAAGAAGATGCTGGAGATGGGCAGAAGGGGAGGGAGAACAGATC ACCTCCTCCTCACTCACTGCAACCTCACCGCTGGGACAGAGGCCTGGGCACAGAAA GCCTGGGAGCGTCAAGGAGTCCCTGTGTCCCATGTGTCCATGGTANGGGTGGGAGCA TGATGAGTGAGGAACAGATCCTCCTGCCCGGCGCAGGGCTACCAGAGCACGGGCCCA TCCATGTTCCCGTACCCTGGCTCGGCCCGCAGCCTCCAGTTAGTATTGGTTGGTACCCA CCACTCTTTCCGTTGCTATCCGTCTGCCCGCTGAANAAACGAGCCTGGGACGAAGTTG GTTTCTCCTGACTTTGCGCCTGTCTCGCTGGCACTGGTCAATCCTCTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_145798
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_145798.2](#), [NP_665741.1](#)

RefSeq Size: 3674 bp

RefSeq ORF: 2529 bp

Locus ID: 114881

UniProt ID: [Q9BZF2](#)

Cytogenetics: 17q21.32

Domains: Oxysterol_BP, PH

Gene Summary: This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Like most members, the encoded protein contains an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain. Two transcript variants encoding the same isoform have been identified. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the shorter transcript. Variants 1 and 2 encode the same isoform.