

Product datasheet for **SC124615**

OSBPL3 (NM_145321) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL3 (NM_145321) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBPL3
Synonyms:	ORP-3; ORP3; OSBP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124615 sequence for NM_145321 edited (data generated by NextGen Sequencing)

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ATGATGAGTGATGAGAAGAACCTTGGTGTGTCCCAAAAATTGGTATCACCTTCAAGGAGC
ACAAGTAGCTGCTCTTCCAAGCAAGGAAGTCGACAGGACAGCTGGGAAGTGGTGGAAAGGA
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Clone variation with respect to NM_145321.1
1977 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145321 unedited
 TTCAAATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGCCCGGTTCT
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145321 unedited
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 ATTAATAGGAGCTTTTTGGGGAGGCAAAGGTATGGATGGAAGGGTGGGATTAACAACAAA
 TAATTTTCAGTGGTTAAGTGGAAAAATTTACAAATATCCATTA AAAAGGTACCCCTGGAT
 AAAATAATCAAAAATAAAATAAATTACCACTTCTGATCACTGCATTCCCAAAAGTCTCT
 GAAAATGGTTTGCACCTTAACTGTCATGATTTGCAAATATTTACATGACGCAGGTTTCC
 AACCCAGAAAAATGAAAATAACCTGAGTACCAAATTATTACAATGCAAAGGAAAAATAG
 AGCAATGAAAATAGCTATCATCTGGTAGCAAAAATAGATTTACCCCGGTGTTAATATCA
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 AAGAGACAAGCCCCACGAGCAACAAGCAGCCACAGCAACAACAAAAACACACTAAACAG
 ACAATAATAATCGCCAAGGGAGCGCCCGCGGATAAACAACACCAACACACCCACCGCCA
 CCCTCACCAGAGCCGCAACTCACCTCCACTCTCTAGAACGTAATACCGTGCCATTAACAG
 TGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_145321

Insert Size:

7000 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_145321.1](#), [NP_663161.1](#)

RefSeq Size: 6622 bp

RefSeq ORF: 2556 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 (3) lacks an in-frame exon compared to variant 1, resulting in a shorter isoform (c) compared to isoform a. Isoform c contains a pleckstrin homology domain and a sterol-binding domain. It is also known as isoform 1c.