

Product datasheet for **SC118593**

OSBP1 (OSBP) (NM_002556) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBP1 (OSBP) (NM_002556) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBP
Synonyms:	OSBP1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_002556, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGCAGGAGCTGAGAGGAGTGGTGGGGCCAGGCCCGCAGCCATTGCAGCACTTGGCGGGCGG
GCGCCGGTCCCCAGTGGTGGGAGGAGCGCGGCCCGGAGATGCGGGGCCAGGCTCCGGGGCCGCGTC
AGGGACGGTGGTCGCGGCGGCGGGAGGCCCGGGCCCGGGGGAGTGGCGGGGCTGGCCCC
GCCCTGCGCCCGGACTGGGGGCTCGGGCGGCTCGGGCGCTGGGGGTTGCGGGCTCGGCTCGAGAGGGCT
GGCTCTTCAAATGGACCAATTATATCAAAGGCTACCAGCGGCGATGGTTCGTGCTGAGCAACGGGCTCT
GAGCTACTACAGATCAAAGGCAGAAATGAGACATACCTGCCGTGGTACCATCAACCTCGCCACAGCCAAC
ATCACCGTGGAGGACTCCTGCAACTTCATCATTCCAATGGGGGTGCTCAGACCTACCATCTGAAAGCTA
GTTCAGAAGTTGAGCGGCAGCGCTGGGTGACGGCCCTGGAAGTGGCCAAGGCCAAAGCTGTGAAGATGCT
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CTCTGCAGCGTCTCTCAGTGGAGTCCCTGAAGTGCCTGCTGAGAGCAATGAAAAGATCAAACA
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ATGTTAGCCCAGACCCATAGTAAAAATGGCAAAAGTCACTACAGTATGAAAGAGACCAGCGTATCCGAC
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GCTGGAGGAGACCAAAAAGGAAAAGAGAACCAGAATACCATAACAAGCCAAACTATAGCCTCAATTTATGG
AGCATATGAAGAAGTGCATTGGAAAAGAACTCTAAGATCCCCATGCCGGTAAACTTTAATGAGCCCT
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ACCAGTAAGCCATTCAACCCACTGCTTGGGGAGACCTTTGAGCTGGACCGATTAGAGGAGAAATGGGTACC
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ACATTATTGTTGGCAAGTTGTGGATAGATCAGTCTGGCGAAATGATATTGTGAATCACAAGACAGGAGA
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AAGTACAGCCAGTCATTGGGGAAAATGGGGGTGATGCTCGACAGAGAGGCCATGAAGCAGAGGAAAGCAG
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CTGACTCTCAATGCTTGGGAAAGTGGCACTGCCCCACAGACAGCCGGTTACGACCTGACCAGAGACTGA
TGGAAAATGGACGCTGGGATGAAGCAAATGCGGAGAAGCAGCGCTGGAGGAAAAACAAAGACTTTCCAG
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TGTTTTGAGCGGAAGAAGGACCCTGTTACCAAGGAGTTAACCCATATTTATAGGGGAGAAATACTGGGAGT
GTAAAGAAAAACAGGACTGGAGCTCATGCCCGACATTTCTGA
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_002556 unedited
GGCCGCGTAATTCGCACGAGGGGCGGCTCTCGTAGGCGGTTCCGGTCTTGTATCTCCAGG
CGGCGGCGGCTCATGGCGGCGACGGAGCTGAGAGGAGTGGTGGGGCCAGGCCCGGCAGCC
ATTGCAGCACTTGGCGGCGGGCGCCGGTCCCCAGTGGTGGGAGGAGGCGGCGGCGC
GGAGATGCGGGGCCAGGCTCCGGGGCCGCTCAGGGACGGTGGTGCGGCGGCGGCGGGA
GGCCCCGGCCCCGGGGCCGGGGAGTGGCGGCGGCTGGCCCCGGCCCTGCGCCGCGGACT
GGGGGCTCGGGCGGCTCGGGCGCTGGGGGTTTCGGGCTCGGCTCGAGAGGGCTGGCTCTTC
AAATGGACCAATTATATCAAAGGCTACCAGCGCGATGGTTCGTGCTGAGCAACGGGCTC
CTGAGCTACTACAGATCAAAGGCAGAAATGAGACATACCTGCCGTGGTACCATCAACCTC
GCCACAGCCAACATCACCGTGGAGGACTCCTGCAACTTCATCATTTCCAATGGGGGTGCT
CAGACCTACCATCTGAAAGCTAGTTCAAAGTTGAGCGGCAGCGCTGGGTGACGGCCCTG
GAACTGGCCAAGGCCAAAGCTGTGAAGATGCTGGCAGAGTCAGATGAATCAGGAGATGAA
GAGTCTGTCTCACAACCTGACCAGACTGAGCTGCAGAATACCCTTCGGACCCTCTCTAGC
ANAGTAGAGGACTTGAGCACGTGCAATGACTTGATAGCTAAGCATGGCACAGCTCTGCAG
CGTTCTCTCAGTGAAGTCCCTGAAGTTCCTGCTGAGAGCAATGAAAGATCAAAC
AGT

3' Read Nucleotide Sequence: >OriGene 3' read for NM_002556 unedited
GTGGCACTGCCACCCGATGTATCTGTATCAGGACAAACAGACTATGACCGCGGCCGAAT
CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTAAAAACAAAAACAAGATTCTTAATGGGAAGG
AAATCAAACAAAAAATTATATTTTTTCTCTACATATATAATATACAGATATTTATTTT
TTTTTCCAGAGGTGGTCCAGTCCCTTGGGGCTTGAGAAATGGAGAAAACTTTTGTTCCA
CAAAAACCTTCGGCTCTCAAATCTAAAAATAACAGAATGGGACAGGCAATGTTTGTCTC
CACACTGAGGCACACACCCAAAAATGAACTGTGCCAAAAAAAAAAAAACCCGAAAGACCG
TTAAGGAGCGCACTAAAGGGGAAAAACAAAAAAAAAAAAACAAAGAAAAAAGAAAAACA
AAAAACACCACAGAAGAACGGACAAAAAAGAAAAAACCAAAACCAAGAAAAAC
ACTAACCACAAGACAAAAGACAAAACCAACCAAAAAACCAAGAGAAACCATAAAGAAC
ACAGAACAAAAATCCCAAGACACACGAAACAACAACAACCAAAACAAAAACAAAAAGCAAC
ACCACGGAGGACAACCAAAACAACCAAGGAAGTACAAAATCAACAATAAATAAAAAACA
AAAAGAATGAAAACAAAAATAACAACAAAAGAGAAATTTACATGAAACATACAACAAC
TAAAATAGAATGGCAGAAAAACAAAAAGAATAAATAAAACAAAGATAGGAGCACAAAGAAG
AAAGAAACNACAGGCACGAAGATACAGCGACAACAACAGAAGCAAAATCAATCTCAGGG
AAATACTATAACAAGAACCATACAATATAACATATGGGACATACAATGG

Restriction Sites: NotI-NotI

ACCN: NM_002556

Insert Size: 3700 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

RefSeq: [NM_002556.2](#), [NP_002547.1](#)

RefSeq Size: 5083 bp

RefSeq ORF: 2424 bp

Locus ID: 5007

UniProt ID: [P22059](#)

Domains: Oxysterol_BP, PH

Protein Families: Druggable Genome

Gene Summary: Oxysterol binding protein is an intracellular protein that is believed to transport sterols from lysosomes to the nucleus where the sterol down-regulates the genes for the LDL receptor, HMG-CoA reductase, and HMG synthetase [provided by RefSeq, Jul 2008]