

Product datasheet for **SC337373**

OSBP2 (NM_001282738) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBP2 (NM_001282738) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSBP2
Synonyms:	HLM; ORP-4; ORP4; OSBPL1; OSBPL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282738, the custom clone sequence may differ by one or more nucleotides

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ATGCACAGACAGAGAACCCGAACGATGTCGTCACTGGCAGCGAAGCGCCTTGGCATGAACCGTAGGCCAG
CTGGCTCAGGAGGTGGAGGCGGTGAGGCGGCCACTTGGGGCCACCCTTCTGGCGGCCGAGGAGCGACC
CACAGACAGAAATCAGGGTGAAATGGCCACACGTGCCGTGGAACCATCAACCTGTCACCGCGCACATT
GACACGGAGGACTCTTGTGGTATCTTGCTGACCAGTGGGGCCAGGAGCTACCACCTCAAGGCCAGCTCAG
AGGTGGACCGGCAGCAGTGGATCACCGCCTGGAGCTGGCCAAGGCCAAGGCTGTCCGCGTGATGAACAC
TCATTCAGATGACTCTGGGGACGACGACGAGGCTACCACCCAGCCGACAAGAGCGAGCTGCACCACACC
CTGAAGAATCTTCCCTGAAGTTAGATGACCTCAGCACGTGCAATGACCTCATCGCAAGCAGCGCGCTG
CACTCCAGCGCTCCCTGACAGAGCTGGACGGCCTCAAGATCCCATCTGAGAGTGGGGAGAAGCTGAAGGT
GGTGAATGAGCGGGCCACCCTCTCCGCATCACATCCAATGCTATGATCAACGCCTGCAGGGACTTCTTG
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GAAGATGAAGATACCGAGTACTTTGATGCCATGGAAGACTCCACATCCTTCATCACCGTGATCACCGAGG
CCAAGGAAGACAGAAAAGCTGAAGGTAGCACCGGGACAAGTTCCTGGACTGGAGCTCAGCAGACAAATGT
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CTACGTGTTCTCCAAGCATGGCTGGAGCCTCTGGCAGGAGATCACCATCTCCAGCAAGTTCGGGGAAAA
TACATCTCCATCATGCCGCTAGGTGCCATCCACTAGAATTCCAGGCCAGTGGGAATCACTACGTGTGGA
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GATTGTGAACCATAAGACCAATGACCGGTGCCAGCTGAAGTTCCTGCCCTACAGTACTTCTCCAAAGAG
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GGGATGAACAAAATGGAGTGTCCAAGGTATGCATAGCAGTCCCAGCAGCCAGCTCTGACGGGAAGCA
GAAGACAGTGTACCAGACCCTGTGAGCAAGCTGTGTGGAAGAAGTACCGCTGCCGGAGAACCGGGAG
AACATGTACTACTTCTCAGAGCTGGCCCTGACCCTCAACGAGCAGGAGGGGCGTACGGCCAACCGACA
GCCGCTGCGGCCCGACAGCGGCTGATGGAGAAGGGCCGTTGGGACGAGGCCAATACCGAGAAGCAGCG
GCTGGAGGAGAAGCAGCGCCTGTGCGCGCGCCGGCGGCTGGAGGCCTGCGGGCCGGGAGCAGCTGCAGC
TCGGAGGAAGAGAAGGAGGCGGATGCCTACACGCCACTGTGGTTTGAAGAAGGCTGGATCCGCTGACCG
GGGAGATGGCCTGTGTACAAGGGCGGCTACTGGGAGGCCAAGGAGAAGCAAGACTGGCATATGTGCC
CAACATCTTCTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001282738

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_001282738.1](#), [NP_001269667.1](#)

RefSeq Size: 4026 bp

RefSeq ORF: 2253 bp

Locus ID: 23762

UniProt ID: [Q969R2](#)

Cytogenetics: 22q12.2

Gene Summary: The protein encoded by this gene contains a pleckstrin homology (PH) domain and an oxysterol-binding region. It binds oxysterols such as 7-ketocholesterol and may inhibit their cytotoxicity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses an alternate in-frame splice site, compared to variant 1. It initiates translation at an alternate start codon. The encoded isoform (c) is shorter and has a distinct N-terminus, compared to isoform a.