

Product datasheet for **MC229186**

Osbp16 (NM_001290734) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp16 (NM_001290734) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbp16
Synonyms:	1110062M20Rik; AI596402; mKIAA4128; ORP-6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229186 representing NM_001290734
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTTCAGACGAGAAGGGCATATCCCCTGCTCATAAAACATCCACTCCGACCCATAGAAGTGCCTCGT
 CTTCAACATCTTCTCAGAGGGAAAAGCAGACAGAGCATCCACGTTTTGGAGAGAAGTCTTATCCAGCAC
 GGAGCCCTCTGTCAAGTCCGAGTTGCTAGAGCCGGAGCCCATCCCCCTCTCCAAGGAAGCTGACAGCTGG
 GAAATTATAGAAGGGCTGAAAATAGGCCAAACCAATGTCCAGAAAACAGACAGGCACGAGGGATTTATGC
 TGAAGAAAAGAAAATGGCCTTTAAAGGGCTGGCACAAGCGCTTTTTTGTCTGGATAATGGAATGCTGAA
 GTATTCCAAGGCGCCACTTGATATCCAAAAAGGAAAAGTGCACGGGAGCATAGATGTCGGACTGTCTGTC
 ATGTGATTAATAAGAAAGCTCGGAGGATAGACCTTGACACGGAAGAGCACATCTATCATTTGAAGGTGA
 AATCCCAGGACTGGTTTGACGCTGGGTCTCCAACTGCGCCATCACAGGTTGTACCGTCAGAATGAAAT
 TGTGAGGTCGCCGAGAGATGCCAGTTCCACATATTTCTGCAACTTCGACAGCTGAGTCTCCCGGCT
 GCTAATGTCTCTGTTGTGGATGGAAGATGCAGCCCAACAGCTTTCCATGGCAGTCGCCATTACCATGCA
 GTAACAGCCTCCCTGCGACCTGCACAACCTGGGCAGAGTAAAGTGGCAGCCTGGCTGCAGGACTCAGAAGA
 AATGGACAGGTGTGCAGAAGATCTTGACACTGCCAGTCAAACCTTGTGGAACCTAGCAAGCTCTGCAA
 AACTTGGAGATCCTTCAGAGAAGTCAAGTCCGCGCCTAACTTCACTGACATGCAGGAAGGGCCACCTGCGA
 AGGGCCAGTTCAACACAAGTCCGCGCCGGCAGAGGCTAGCGGCAGCAGTGGCTACAACAGTTCCTTTGAG
 CGCCACCATGTACCCGTGCGTCTGCACTCCTCCAACCCCAACCTTTGTGCAGACATTGAGTTCAGACC
 CCTCTAGCCACCTCACCGACCTCTGGAAAGTCCACGGATTATACCAAGCTACAAGAAGAATTTTGTCT
 TAATTGCACAGAAAAGTGCATTCTTTCTGAAGTCTGCATTTAACAGCATAGCTATAGAGAAGGAGAAGT
 GAAGCAGTGGTCTCGGAGCAAGATCACAAACAAAGGCCACAGCACAGATGGCCAGACTCCGGCAGTCA
 CTGTACAGGCACTTAACCAGAAGCTGAGCTCCGGAGTCCGGTGAACAGAATACACTCAGAGTCTACCA
 TTTGTGATCACGTTGTCAGTGTAAATATTATCCCTAGCCCGATGAGCCTGGTGAGCAAATCCATGTCAG
 CCTCCCTCTGTACAGCAGGTGGCCAACGAGAGCCGCTCTCCATGTCAGAATCCGTGTCAGAATTTCTC
 GATGCCAAAGAGGTGCTCCTGTCTGCAAGCTCATCAGAGAATGAGGCTTCTGATGATGAGTCTACATCA
 GCGACGTGAGTGACAACATATCTGAGGACAACACCAGTGTGCGGACAACATTTCTGGCAAATCCTGAA
 TGGGGAGCTCACAGGAGGCGCTTCCGCAATGGCCGTGCGACCTGCCTGCCTGCTCTTGCCCGGACACC
 AGTAACATTAACCTGTGGAATATCTTGAGGAACAACATTGGCAAAGACCTGTGAAAGGTCTCCATGCCCCG
 TGGAACTCAACGAGCCCCCTCAACACCCTGCAGCACCTCTGTGAGGAAATGGAATACAGTGAAGTCTGGA
 CAAGGCCTCAGAGACCGACGACCCCTACGAGAGGATGGTTCTCGTCTGCTGCTTTGCAGTCTCAGGGTAC
 TGTTCACCTACTTCCGAGCAGGAAGCAAGCCATTCAATCCGGTCTGGGGGAGACCTATGAATGCATAA
 GAGAAGATAAGGGGTTTCGGTCTTCTCAGAACAAGTTAGCCATCATCCACCCATTTCTGCCTGTCACTG
 TGAATCCAAGAATTTTGTGTTTTGGCAAGATATCAGATGGAAAAATAAGTCTGGGGAAAGTCCATGGAA
 ATCCTGCCTGTGGAACCCTGAACGTACGCTTCCAAAATATGGGGATTACTATGTGTGGAATAAAGTCA
 CCACGTGCATACACAATATCCTGAGTGGGAGGAGATGGATCGAGCACTACGGTGAAGTGACCTTAGAAA
 TACCAAAAAGCAGTGTGCAATTTGCAAACTCACGTTTGTCAAGGTGAATTACTGGAACCTCAACGTGAAT
 GAAGTCCAGGGGTGGTATAGACCAGGAGGGGAAGGTGGTGCACCGGCTGTTTGGGAAATGGCAGGAAG
 GACTCTACTGCGGGTGGCCCCCTCGGCAAAAGTGCATCTGGAGACCAGGTTCTCTGCCAACCAACTATGA
 GCTCTACTATGGCTTTACAAGATTTGCTGTGGAGCTCAATGAGTTGGACCCGCTCTGAAGGACCTCCTT
 CCCCCACAGATGCCGATTCCGGCCAGATCAAAGTTTTTGGAAAGAAGGGAACCTAGAAGCCGAGCCG
 CAGAGAAAACAAGAGTTGAGGAACTCAAAGATCGCGAAGACGCTACATGGAGGAAAACAACCTTGAACA
 TATACCAAAATTTTTAAAAAAGTTATTGATGCAAAATCAAAGAGAAGCCTGGGTTTCTAACGACACCTAC
 TGGGAGCTTCAAAGGACCTGGGTTTAGCAAAGTAGACAGCCCCGTTCTTTGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001290734
Insert Size:	2787 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001290734.1</u> , <u>NP_001277663.1</u>
RefSeq Size:	7968 bp
RefSeq ORF:	2787 bp
Locus ID:	99031
UniProt ID:	<u>Q8BXR9</u>
Cytogenetics:	2 C3
Gene Summary:	Weakly binds 25-hydroxycholesterol.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate in-frame exon in both the 5' and central coding regions, compared to variant 1, resulting in an isoform (c) that is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.