

## Product datasheet for **MC222445**

### **Osbp18 (NM\_175489) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp18 (NM_175489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbp18
Synonyms:	AA536976; AA536995; C730029P18Rik; D330025H14Rik; OR; ORP-8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222445 representing NM\_175489  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCAGCCTTAGCAGACGGAGAACCTGACAGATCTTCGCTTCTTGGTGATAGCAAAGATGTCCTTG  
 GGCCATCAACTGTTGTAGCGAACAGTGACGAACCTCAGCATTTGACCCAGGAAAGATGAGTCAGCGCCA  
 AGGCAGAGACGCTAACCCAACCCCAACTAGAGATCTGCCTCAGCCTTCTCTCAGCCCCGCCAGCCTTCAC  
 AGCCAGGGTTTTGAAAGAGGAAAAGAAGACATTTCTCAAATAAAGATGACTCTTCACTTCAATGTCAA  
 AGAGCAAGTCTGAATCTAAACTATATAATGGCTCAGAAAAGGACAGTTCAACTTCAAGTAAACTCACGAA  
 GAAAGAGTCTCTAAGGTACAAAAGAAAACTACCGTGAAGAGAAGAAGAGGCCACGAAGGAGTTACTC  
 AGCACCATCACAGACCCCTCTGTCATTGTCATGGCCGACTGGCTGAAGATTCTGGTACCCTGAAGAGCT  
 GGACCAAGCTGTGGTGTGTGTTGAAACCTGGCGTCTTCTGATCTATAAAACACAAAAAATGGTCAGTG  
 GGTCGGAACAGTCTTCTGAATGCTTGTGAGATCATTGAACGTCCATCAAAAAGGATGGCTTTTGTTC  
 AAGCTTTTCCATCCTTTGGAGCAGTCTATTTGGGCAAGTGAAGGGTCTAAAGGTGAAGCGGTTGGCTCCA  
 TAACCCAGCCTCTACCTAGCAGCTACTTGATTATCCGAGCTACTTCAGAGTCAGATGGAAGGTGCTGGAT  
 GGATGCTTTGGAGTTGGCTTTGAAGTGTCCAGTCTCCTTAAGCGGACCATGGTGAGGGAGGGGAAGGAG  
 CACGACCTGAGCATCTCCTCAGACAGCACACAGTGCAGCTGTATGGCTTACTGCGCGCTAACATCTCC  
 ACAGTGGCGACAACCTCCAGTTGAATGACAGTGAGATCGAAAGACAGCACTTTAAGGACCAAGATTTGTA  
 CTCTGATAAATCTGACAAGGAGAACCACCCGGAGCAGCATGAGTCTGACAACGAGGTGCTGGGGAAGAGC  
 GAGGAGAGCGACACAGACAGTCCGAAAGGCAAGACGACTCGTACATCGACCTGAGCCTGTGGAGCCCT  
 TAAAGGAGACCACCTACATGGAGCAGACCCAGCAAGAACTGGGAGAGGCAGGTGAGGCCCTCAAACGGA  
 AACTGTGTCTGAAGAAAACAAAAGCCTTATCTGGACGCTGCTCAAGCAAGTCCGTCCCGGATGGACCTA  
 TCCAGGGTGGTTCTTCTACGTTTATTTGGAGCCCCGCTCTTCTGGATAAGCTTTCAGATTACTACT  
 ACCACGCCGATTTCTGTCTGAAGCTGCTCTAGAAGAAAATCCGTATTTCCGTTTGAAGAAAGTCTGAA  
 ATGGTATTTGTCAGGATTTTATAAGAAGCCAAAGGGACTAAAGAAACCATATAATCTATACTTGGTGAG  
 ACTTTCCGATGTTTATGGATTATCCCAGAACAACAGCAAACTTTCTATATTGCTGAACAGGTGTCCTC  
 ATCACCCACCAATATCTGCCTTTATGTCAGTAACCGGAAAGATGGGTTTTCCTTAGTGGTAGCATCCT  
 GGCTAAGTCCAAGTTTTATGAAACTCGTTATCTGCCATATTGGAGGGAGAAGCCCGGTTAACTTTCTTG  
 AACAGAGGTGAAGATTACGTCATGACAATGCCATATGCTCACTGTAAGGAATTCCTTATGGCACAATGA  
 CCTGGAGCTTGGTGGAACTGTCAATATTACCTGTGAGAAGACTGGATACAGTGGGATACCTTGAATTTAA  
 ACTAAAGCCATTTCTAGGGAGTAGTGATTATGTTAACCAATATCAGGGAACCTTAAATTGGGAAAAGAA  
 GTCCTAGCTACTTTGGAAGGCCATTGGGATAGTGAAGTTTTCATTAATGCAAAAAGACTGATAACTCAG  
 AGATTTTCTGGAATCCAACCTCCTGACATTAACAGTGGAGATTAATAAGGCACACTGTAAGTTTGAAGA  
 ACAGGATGATTTGGAATCAGAGAACTCTGGCAACGAGTGACAAAAGCTATAAATGCCAAAGACCAACG  
 GAAGCTACTCAAGAAAAGTATGTTCTGGAAGAAGCTCAAAGACAAGCTGCCAGAGATCGAAAAACAAAA  
 CTCAAGAGTGGGTTTGAAGTTATTTGAACTTGACCCACTCACTGGAGAATGGCACTATAAGTTTTGAGA  
 TACTCGACCATGGGACCCACTTAATGATATGATACAATTTGAAAAGATGGAGTTATCCAGACCAAGTG  
 AAACATCGCACTCCAATGGTTAGTGTCCAAAAATGAAACATAAAACCAACAAGGCAGCAGAAGAAAGTGG  
 TAAAAGGCTATTCTTCCCAGAACCTGACATCCAGGATTCCTCTGGAAGTGAAGCTCAATCTGTAAAACC  
 AAGTACACGAAGGAAGAAGGGGATAGACCTGGGAGACATTGAGATTCCATTGAGTCTATAAAGCAGACA  
 CAGGAAGAGATTAAGAAATAATATGGCTCTTCGAAATCATTTACTTTCAAGTACACCTGCTACAGATT  
 ATTTTCTGCAACAGAAAGACTACTTCGTCATTTTCTTCTGATTTTGCTCAAGTCATAATAAACTTTAT  
 ATTTAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175489

<b>Insert Size:</b>	2670 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_175489.3</a></u> , <u><a href="#">NP_780698.2</a></u>
<b>RefSeq Size:</b>	7152 bp
<b>RefSeq ORF:</b>	2670 bp
<b>Locus ID:</b>	237542
<b>UniProt ID:</b>	<u><a href="#">B9EJ86</a></u>
<b>Cytogenetics:</b>	10 D1
<b>Gene Summary:</b>	<p>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 different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created using sequences from two different strains, C57BL/6J and C57BL/6J x DBA/2J F1, because no single transcript from the same strain was available for the full length of the gene.</p>