

## Product datasheet for **MC222080**

### **Osbp18 (NM\_001003717) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp18 (NM_001003717) 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:** >MC222080 representing NM\_001003717  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTCAGCGCCAAGGCAGAGACGCTAACCCAACCCCAACTAGAGATCTGCCTCAGCCTTCTCTCAGCC  
 CCGCCAGCCTTACAGCCAGGGTTTTGAAAGAGGAAAAGAAGACATTTCTCAAAATAAAGATGACTCTTC  
 ACTTTCAATGTCAAAGAGCAAGTCTGAATCTAAACTATATAATGGCTCAGAAAAGGACAGTTCAACTTCA  
 AGTAAACTCACGAAGAAAGAGTCTCTTAAGGTACAAAAGAAAACCTACCGTGAAGAGAAGAAGAGAGCCA  
 CGAAGGAGTTACTCAGCACCATCACAGACCCCTCTGTCATTGTCATGGCCGACTGGCTGAAGATTCGTGG  
 TACCCTGAAGAGCTGGACCAAGCTGTGGTGTGTGTTGAAACCTGGCGTGTCTGATCTATAAAACACAA  
 AAAAATGGTCAGTGGTGGAACAGTCTTCTGAATGCTGTGAGATCATTGAACGTCCATCAAAAAAGG  
 ATGGCTTTTGTTCAGCTTTTCCATCCTTTGGAGCAGTCTATTTGGGCAGTGAAGGGTCCCTAAAGGTGA  
 AGCGGTTGGCTCCATAACCCAGCCTCTACCTAGCAGCTACTTGATTATCCGAGCTACTTCAGAGTCAGAT  
 GGAAGGTGCTGGATGGATGCTTTGGAGTTGGCTTTGAAGTGTCCAGTCTCCTTAAGCGGACCATGGTGA  
 GGGAGGGGAAGGAGCAGACCTGAGCATCTCTCAGACAGCACACAGTACGCTGTATGGCTTACTGCG  
 CGCTAACAACTCTCCACAGTGGCGACAACCTCCAGTTGAATGACAGTGAGATCGAAAGACAGCACTTAAAG  
 GACCAAGATTTGTACTCTGATAAATCTGACAAGGAGAACGACCCGGAGCAGATGAGTCTGACAACGAGG  
 TGCTGGGAAGAGCGAGGAGAGCGACACAGACAGTCCGAAAGGCAAGACGACTCGTACATCGACCCCTGA  
 GCCTGTGGAGCCCTTAAAGGAGACCACCTACATGGAGCAGAGCCACGAAGAACTGGGAGAGGCAGGTGAG  
 CCCTCTCAAAACGAAACTGTGTCTGAAGAAAACAAAAGCCTTATCTGGACGCTGCTCAAGCAAGTCCGTC  
 CCGCATGGACCTATCCAGGGTGGTTCTTCTACGTTTTATTTGGAGCCCGCTTTTCTGGATAAGT  
 TTCAGATTAATACTACCACGCCGATTTCTGTCTGAAGCTGCTCTAGAAGAAAATCCGATTTTCCGTTTG  
 AAGAAAGTCGTGAAATGGTATTTGTGAGGATTTATAAGAAGCCAAAGGACTAAAGAAACCATATAATC  
 CTATACTTGGTGAAGCTTTCCGATGTTTATGGATTCATCCAGAACAACAGCAAAACTTTCTATATTGC  
 TGAACAGGTGCCATCACCCACCAATATCTGCCTTTTATGTCAGTAACCGGAAAGATGGGTTTTGCCTT  
 AGTGGTAGCATCTGGCTAAGTCCAAGTTTTATGGAACTCGTTATCTGCCATATTGGAGGGAGAAGCCC  
 GGTTAACTTTCTGAACAGAGGTGAAGATTACGTATGACAATGCCATATGCTCACTGTAAGGAATTCT  
 TTATGGCACAATGACCTGGAGCTTGGTGAAGTGTCAATATTACCTGTCAGAAGACTGGATACAGTGGC  
 ATACTTGAATTTAACTAAAGCCATTTCTAGGGAGTAGTGATTATGTTAACCAAAATACAGGAACTTA  
 AATTGGGAAAAGAAGTCCTAGCTACTTTGGAAGGCCATTGGGATAGTGAAGTTTTCAATAGCAAAAA  
 GACTGATAAATCAGAGATTTTCTGGAATCCAACCTCTGACATTAACAGTGGAGATTAATAAGGCACACT  
 GTAAAGTTTGAAGAACAGGATGATTTTCAATCAGAGAACTCTGGCAACGAGTGACAAAAGCTATAAATG  
 CCAAAGACCAAACGGAAGCTACTCAAGAAAAGTATGTTCTGGAAGAAGCTCAAAGACAAGCTGCCAGAGA  
 TCGAAAAACAAAACCAAGAGTGGGTTTGAAGTTATTTGAACTTGACCCACTCACTGGAGAATGGCAC  
 TATAAGTTTTCAGATACTCGACCATGGGACCCACTTAATGATATGATAACAATTTGAAAAGATGGAGTTA  
 TCCAGACCAAAGTGAAACATCGCACTCCAATGGTTAGTGTCCAAAAATGAAACATAAACCAACAAGGCA  
 GCAGAAGAAAAGTGGTAAAAGGCTATTCTTCCCCAGAACCTGACATCCAGGATTCCTTGGAAAGTGAAGT  
 CAATCTGTAAAACCAAGTACACGAAGGAAGAGGGGATAGACCTGGGAGACATTACAGAGTCCATTGAGT  
 CTATAAAGCAGACACAGGAAGAGATTAAGAAATATTATGGCTCTTCGAAATCATTTACTTTCAAGTAC  
 ACCTGCTACAGATTATTTTCTGCAACAGAAAGACTACTTCGTCATTTTCTTCTGATTTTCTTCAAGTC  
 ATAATAAACTTTATATTTAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001003717  
**Insert Size:** 2544 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_001003717.1</a></u> , <u><a href="#">NP_001003717.1</a></u>
<b>RefSeq Size:</b>	7115 bp
<b>RefSeq ORF:</b>	2544 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 (2) lacks an alternate exon compared to variant 1, resulting in the use of a downstream in-frame start codon compared to variant 1. Variant 2 encodes isoform b, which has a shorter N-terminus compared to 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>