

## Product datasheet for **MC201497**

### **Osbp10 (NM\_148958) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp10 (NM_148958) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbp10
Synonyms:	4933433D06Rik; C820004B04Rik; OPR-10; ORP-10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC027256 sequence for NM\_148958  
 CTCAGTTCGAGCGTGCGCCAAATACCACATGGAGATGAGTTCCAAGACTACTCCAGGCTCCCGCAGCCG  
 AAGCCTCACTTTGCTCCCCCATGGAACACCCAGTTCTGCGTCTCCCTGTAGCCAGAGACATCTCAGTACG  
 GGGCCCCCGGTGTTGTCTCAGTCACGCGTCACAAGTCGCTGCAGCTGCCCGAAGAGCCAAGAGTCAGT  
 ATTCGGCCAGCTTCACGAAGTCAGAGAGATGATGAACCAGGTGGAAGGCCAGCAGAAGAACCTCGTGCA  
 TGCCATTGAGTCCCTGCCAGGCTCGGGCCCCCTCACTGCCTTGGACCAGGACCTGCTTCTCCTGAAGGCT  
 ACCTCTGCCGCCACCCTCAGCTGTCTCGGGGAGTGCCTCAGCTCAGCTTCCAGCAGAGTGTGCCCGAGGCAG  
 CGCCACCCAGCCACAAGCCAGGCGCTCAGAGACCATCCTGGGATGGCATGGGCCACGTACATTTCCAC  
 AGACCAACTGAAAAATGGGACCTCGGCTCTCTACCCTCCGCCAGTGCCAACATAACATGGGCGATTCTA  
 CCAAACCTGCAGAAGAGGAACACAACCTCACAGCCGGAGCCAGAGCCAGACTCAGGCCCTGAACTGGTTT  
 TGTCCGAAGAAGACAGAGCGACAATGAGGACAAGGGAGAGGTGGAGCCGGGCGCCATGGAGGATCAGCG  
 TAGTGTGATCCTCCACCTCATCTCGCAGCTCAAGCTGGGCATGGACCTGACCAAGGTGGTGTCTCCACG  
 TTCATTCTGGAGAAGCGGTCTTGTCTGGAGATGTACGCAGACTTATGGCGCACCTGACCTGTCTGTGG  
 CCATCACTGCCGGGCGACGCCAGAGGAGAGAGTCATTAGCTTCGTGGAGTATTACCTTACAGCCTTCCA  
 CGAGGGCCGCAAAGGCACCTGGCCAAGAAGCCCTACAACCCCATCATCGCGGAGACCTTCACTGTCTCC  
 TGGGAGGTTCTAAGGACAGAGTCAAGTCGAAGTGGACTTCCCCCACCCTCCCATTAGTGTCTCAGGAGC  
 ATCCGATGGCCGATGACCCTTCTAAAAGCTATAAGCTCAGGTTTGTGGCTGAGCAGGTATCCCATATCC  
 GCCCATCTCTGCTTCTACTGTGAGTGCAAGGAGAAGAGACTGTGTGTAACACTCACGTATGGACCAAA  
 AGCAAGTTCATGGGCATGTCCGTGGGGTCTCTATGATAGGGGAAGGTGTGCTTCGACTTCTGGACCAG  
 GGAAGAGTACGTCTTACGCTGCCAGTGCCTACGCCGCTCCATCCTCACCGTGCCGTGGGTGGAGCT  
 TGGAGGGAAGGTCAACATCAGCTGTGCCAAGACTGGTTACTCTGCCACCGTGACGTTCCACACGAAGCCC  
 TTCTACGGCGGAAAGTCCACAGGTCACAGCTGAAGTGAACACAACCAACCAACCCATCGTCTGTA  
 AAGCACATGGGGAGTGAATGGCACCTTGGAGTTCACCTACAGCAACGGGGAGACCAAAAGTCAAGAC  
 AACCCACCTGCCTGTGTATCCTAAGAAGCTTAGACCCCTGGAGAAGCAGGGGCCCATGGAGTCCAGGAAC  
 CTCTGGCAGGAAGTCACCACTACCTGAGGCTTGGGGACATTGACGCAGCCACAGAGCAGAAACGACGCC  
 TGGAGGAGAGGCAGAGGGTGGAGGAGAGAAACGGGAGACCCCTTCGCACACCGTGCCGACCCAAGTATTT  
 CATCCCGGAGGGCGATGGCTGGGTGTAATTCAACCCCTCTGGAAGACACACTGATGGGCGGAGGTGCAG  
 TGCTTCCCGTAATAGGCCTGGTTTTGTAGGAATTAAGTGGTACAGTATCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_148958

**Insert Size:** 1776 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).

**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:** [BC027256](#), [AAH27256](#)

RefSeq Size: 1886 bp

RefSeq ORF: 1776 bp

Locus ID: 74486

UniProt ID: [S4R1M9](#)

Cytogenetics: 9 F3

**Gene Summary:** Probable lipid transporter involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane. Its ability to bind phosphatidylserine, suggests that it specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering phosphatidylserine to the plasma membrane in exchange for PI4P. Plays a role in negative regulation of lipid biosynthesis. Negatively regulates APOB secretion from hepatocytes. Binds cholesterol and acidic phospholipids. Also binds 25-hydroxycholesterol. Binds phosphatidylserine.[UniProtKB/Swiss-Prot Function]