

## Product datasheet for **MC220664**

### **Osbp15 (BC079872) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp15 (BC079872) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbp15
Synonyms:	ORP5, Osbp2, Obph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC079872  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGGAGGAGGCTTTCTCCGGCGCCGTTTCTCGTGTGTCCACCAGTTCTACTCCACAGAAGACTG  
 ACCCCCGAAAGTCCCACGGAACCTGCTTCTGGGCTGCGAAAATGAGCTTGGTCCCATCACCCAGGAAG  
 GGACATGGAGTCCAACGGCCCATCAACCCAGAGATGAAGAGCCCAGACCCCAGGCTCCGCCACGAAG  
 GTGCCACTGGCTGAGTACAGGCTATGCAATGGATCTGACAAGGAATGTACCTCTCCAACGACCAGGGTCT  
 CCAAGAAGGATGCTCTCAAGGCACAGAAGGAGAACTATCGGCAGGAGAAGAAGCGGGCCACGAAGCAGCT  
 GTTCAGTGCCTGACTGACCCAGTGTGGTCATCATGGCTGACAGCCTAAAGATCCGAGGGACCCTGAAG  
 AGCTGGACGAAGCTGTGGTGTACTGAAGCCAGGGTGTGCTCATTTACAAGACACCAAGTGGGCC  
 AGTGGGTGGGCACGGTGTGCTGACTGCTGCGAGCTTATTGAGCGCCCCCTCAAGAAGGACGGCTTCTG  
 CTTCAAACCTTCCACCCGCTGGACCAGTCTGTGTGGGCTGTGAAGGGCCCCAAAGGCGAGAGTGTGGGC  
 TCCATCACTCAGCCCCCTCCTAGCAGCTACCTGATCTTACAGGGCCGCTTGAATCAGACGGCCGCTGCT  
 GGCTAGATGCCCTGGAGCTGGCCCTTCGCTGCTCCAGCCTCCTGCGACTGAGCACGTGCAAGCAGGGTCCG  
 AGATGGGGAGCAGGGGTCTCGCCTGATGCCTCTCCCTCTTCTCTACGGACTGCCACCTCGGCCACC  
 ATCCCAGATCAAGACCTGTTCCCGCTGAATGGGTCTGCCTTGAGAACGATGCATTTCTCAGACAAGTCAG  
 AACGAGAGAATGCAGAAGACTCGGATGCCGAGACCCAGGATCACAGCCGCAAGACCAACGAGAGTGGGAG  
 CGACCTGCTAGACAGCCCTGGTGGGCCATGGAGGGAACTACCTATGTGGAACAGGTCCAGGAGGAGCTG  
 GGAGAGCTGGACGAGACTTCCAGGTGGAGACAGTGTGAGAGAAAACAAGAGCCTGATGTGGGTGCTGC  
 TGGCAGCTGCGGCCAGGCATGGACCTGTCCCCTGTGGTGTGCTGCCGACCTTCGTGTTGGAGCTCGGTC  
 CTTCTCGGCAAGCTCTCTGATTACTACTACCAGGGAGACCTGCTCTCCAGGGCAGCAGCAGAGGATGAC  
 CCTACTGCCGCATGAAGCTTGTGCTCCGGTGGTACCTGTCTGGCTTCTATAAGAAGCCCAAGGGCATCA  
 AGAAAACCTATAATCCCATTCTGGGGGAGACTTTTTCGCTGCCGCTGGCTGCACCTCAGACCAACAGTCA  
 CACCTTACATAGCAGAACAGGTGTCTCACCATCCTCCTGTGTCTGCCTTCTATGTCAGCAACAGGAAA  
 GATGGCTTCTGCATGAGTGGCAGCATCACAGCAAAGTCTAAGTCTATGGGAACCTATTGTCGGCGCTTC  
 TGGACGGCAAGGCTAAACTCACCTTCTTAATCGCAAGGAGGAGTATACCCTCACCATGCCCTATGCCCA  
 CTGCCGAGGGATCCTCTACGGCACCATGACCATGGAGCTGGGAGGCAAAGTGAACATCGAGTGTGAGAAG  
 AACACCTCCAAGCTGAACTGGACTTCAAGCTCAAGCCTTCTTTGGAAGCAGCGCAACATCAACCAGA  
 TTTCCGGGAAGATCATGTGAGGAGAGGAAGTCTGGCACGCTCACTGGACACTGGGACAGAGATGTATT  
 TATCAAGGAAGAGAGCAGTGGAGGCACCGAGCTTCTGGACTCCGAGTGAAGGAGTCCGAGGCAGCGG  
 CTGAAGCGGCACACAGTGTCTTGGAAAGAGCAGAGTGAAGTGGAGTCTGAGAGGCTGTGGCAGCATGTCA  
 CCAGGGCCATCCGTGAGGGTGAACAGCACAAGCCACACAGGAGAAGTCTGTGCTGGAAGAGGCGCAGCG  
 GCAGCGTGCCCGTGAGCACCAGCAGAGCCTCACTCCATGGAAGCCACAGTTGTTCTTACTGGACCTCTC  
 ACTCAGGAATGGCGCTACCGATATGAGGACCTCAGCCCCGGGACCCGCTGAAGGACATTGCCCAATATG  
 AGCAAGATGGGATTTTCATACTCTACAGAGGGAGACTATGTCTGGCCAGACAACCTTTCTGGGGAGTCC  
 TGACTCCAGGCACAAGAGGCCTAGCTCTGATCGCGGCTCCGCAAAGCCAGTGAACAGCCCTCTGGCCAT  
 AGCCAGGTCACTGAGAGCAGCGGCTCCACACCTGAGTCTGCCCAGACCTCTGATGAGGACTTTGTTC  
 CTGGTGGTGAAGCCATGTCCTCGGTGCAGGCGAGAGGTACACCGGCTAAAGATGCTACAAGAGCCGT  
 GCTGTCCATTGAGGAAGCTCAGCAAGAGCTGCATAGGCACCTTTGACCATGTTAAGCTCCACAGTGCCT  
 GCTGGGACGGCGCCAGCCCCAGCCTCTGCAGAAATCCCCGCTCCTGGTTCCTGCTCTGCATCTTCTGA  
 CGTGTGAGCTATTCATTAATAATATCCTCAAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: BC079872  
 Insert Size: 2625 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>	<a href="#">BC079872</a> , <a href="#">AAH79872</a>
<b>RefSeq Size:</b>	3834 bp
<b>RefSeq ORF:</b>	2624 bp
<b>Locus ID:</b>	79196
<b>Cytogenetics:</b>	7 88.29 cM
<b>Gene Summary:</b>	Lipid transporter involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane: specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering phosphatidylserine to the plasma membrane in exchange for PI4P, which is degraded by the SAC1/SACM1L phosphatase in the endoplasmic reticulum. Binds phosphatidylserine and PI4P in a mutually exclusive manner. May cooperate with NPC1 to mediate the exit of cholesterol from endosomes/lysosomes. Binds 25-hydroxycholesterol and cholesterol.[UniProtKB/Swiss-Prot Function]