

Product datasheet for **MC229092**

Osbp15 (NM_001199227) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Osbp15
Synonyms:	1110006M06Rik; AI462538; Obph1; ORP5; Osbp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC229092 representing NM_001199227
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGAGGAGGCCCTTCTCCGGCGCCGTTTCTCGCTGTGTCCACCAGCTTCTACTCCACAGAAGACTG
ACCCCCGAAAGTCCCACGGAACCTGCTTCTGGGCTGCGAAAATGAGCTTGGTCCCATCACCCAGGAAG
GGACATGGAGTCCAACGGCCATCAACAACCAGAGATGAAGAGCCACAGCCAGGCTCCGCCACGAAG
GTGCCACTGGCTGAGTACAGGCTATGCAATGGATCTGACAAGGAATGTACTCTCCAACGACCAGGGTCT
CCAAGAAGGATGCTCTCAAGGCACAGAAGGAGAATATCGGCAGGAGAAGAAGCGGGCCACGAAGCAGCT
GTTCAGTGCCCTGACTGACCCAGTGTGGTCATCATGGCTGACAGCCTAAAGATCCGAGGGACCCTGAAG
AGCTGGACGAAGCTGTGGTGTGTAAGGCCAGGGGTGCTGCTCATTTACAAGACACCCAAGTGGGCC
AGTGGGTGGGCACGGTGTGCTGCACTGCTGCGAGCTTATTGAGCGCCCTCCAAGAAGGACGGCTTCTG
CTTCAAACCTTCCACCGCTGGACAGTCTGTGTGGCTGTGAAGGGCCCAAGGCGAGAGTGTGGC
TCCATCACTCAGCCCTCCCTAGCAGTACCTGATCTTCAGGGCCGCTTCTGAATCAGACGGCCGCTGT
GGCTAGATGCCCTGGAGCTGGCCCTTCGCTGCTCCAGCCTCCTGCGACTGAGCAGTGAAGCAGGGTCCG
AGATGGGGAGCAGGGTCTCGCCTGATGCCTCTCCCTCTCTCTACGGACTGCCACCTCGGCCACC
ATCCCAGATCAAGACCTGTTCCCGTGAATGGGTCTGCCTTGGAGAACGATGCATTCTCAGACAAGTCA
AACGAGAGAATGCAGAAGACTCGGATGCCGAGACCAGGATCACAGCCGCAAGACCAACGAGAGTGGGAG
CGACCTGCTAGACAGCCCTGGTGGGCCATGGAGGGAACTACCTATGTGGAACAGGTCCAGGAGGAGCTG
GGAGAGCTGGACGAGACTTCCAGGTGGAGACAGTGTGAGGAAAACAAGAGCCTGATGTGGGTGCTGC
TGCGACAGCTGCGGCCAGGCATGGACCTGTCCCGTGTGGTGTGCCGACCTTCGTGTGGAGCCTCGGT
CTTCTCGGCAAGCTCTCTGATTACTACTACCAGGAGACCTGCTCTCCAGGGCAGCAGCAGAGGATGAC
CCCTACTGCCGATGAAGCTTGTGCTCCGGTGGTACCTGTCTGGCTTCTATAAGAAGCCCAAGGGCATCA
AGAAACCTATAATCCCATTCTGGGGGAGACTTTTCGCTGCCGCTGGTGCACCCTCAGACCAACAGTCA
CACCTTCTACATAGCAGAACAGGTGTCTCACCATCCTCCTGTGTCTGCCTTCTATGTGAGCAACAGGAAA
GATGGCTTCTGCATGAGTGGCAGCATCACAGCAAAGTCTAAGTTCTATGGGAATCATTGTGCGGCCCTC
TGGACGGCAAGGCTAAACTCACCTTCTTAATCGCAAGGAGGAGTATACCCTCACCATGCCCTATGCCCA
CTGCCGAGGGATCCTCTACGGCACCATGACCATGGAGCTGGGAGGCAAAGTGAACATCGAGTGTGAGAAG
AACACCTCCAAGCTGAACTGGAATCAAGCTCAAGCCTTTCTTTGGAAGCAGCGCCAACATCAACCAGA
TTTCCGGGAAGATCATGTGAGGAGAGGAAGTCTGCGCACGCCTCACTGGACACTGGGACAGAGATGATT
TATCAAGGAAGAGAGCAGTGGAGGCCACCGAGCTCTTCTGGACTCCGAGTGGAGGTCGCGAGGCAGCGG
CTGAAGCGGCACACAGTGTGTTGGAAGAGCAGAGTGAAGTGGAGTCTGAGAGGCTGTGGCAGCATGTCA
CCAGGGCCATCCGTGAGGGTGACCAGCACAAGCCACACAGGAGAAGTCTGTGCTGGAAGAGCGGCAGCG
GCAGCGTGCCCGTGAACACCAGCAGAGCCTCACTCCATGGAAGCCACAGTGTGTTCTTACTGGACCCCTC
ACTCAGGAATGGCGCTACCGATATGAGGACCTCAGCCCTGGGACCCGCTGAAGGACATTGCCCAATATG
AGCAAGATGGGATTCTTCACTACTACAGAGGGAGACTATGTCTGGCCAGACAACCTTTCTGGGAGTCC
TGACTCCAGGCACAAGAGGCCTAGCTCTGATCGGCGGCTCCGCAAAGCCAGTACCAGCCCTCTGGCCAT
AGCCAGGCTCACTGAGAGCAGCGGCTCCACACCTGAGTCTGCCCAGACCTCTCTGATGAGGACTTTGTTC
CTGGTGGTGAAGGCCATGTCTCGGTGCAGGCGAGAGGTACACCGGCTAAAGATGCTACAAGAGGCCGT
GCTGTCCATTCAGGAAGCTCAGCAAGAGCTGCATAGGCACCTTTCGACCATGTTAAGCTCCACAGTGCCT
GCTGGCAGGCGCCAGCCCCAGCCTCTGCAGAATCCCCGCTCCTGGTCTCTGCTGCTGATCTTCTCTGA
CGTGTGAGTATTCAATAACTATATCCTCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001199227

Insert Size: 2625 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001199227.1 , NP_001186156.1
RefSeq Size:	3794 bp
RefSeq ORF:	2625 bp
Locus ID:	79196
UniProt ID:	Q9ER64
Cytogenetics:	7 88.29 cM
Gene Summary:	<p>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/SACMIL 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]</p> <p>Transcript Variant: This variant (2) has a different exon at its 5' terminus which results in the use of a downstream in-frame translation initiation site, compared to variant 1. It encodes an isoform (2) with a shorter N-terminus, compared to isoform 1.</p>