

Product datasheet for **RN201447**

Osbp1a (NM_172023) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp1a (NM_172023) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Osbp1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN201447 representing NM_172023

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACACAGAAGCCGAGCAGCAGCTTCTCCATCACGCCAGGAATGGCAATGCTGAAGAAGTGGGAAGC
 TGCTGGAAGCCATGGCGCGGGCTGAAGTGGTCGCTGACATTGACTGTAAGGAAGAAGTAAGTCTAACTT
 GGGCTGGACACCTCTTCATCTGGCATGCTATTTTGGACACAAACAAGTGGTCCAGGATCTGTTGAAGGCT
 GGTGCCAAAGTGAACATGTTAAATGACATGGGGGACACGCCGCTGCACCGAGCTGCCTTCACAGGACGAA
 AGGAGCTAGTAATGCTTCTTTAGAATAAATGCTGACACTACTGTCGTAATGGAAGTGGACAGACAGC
 AAAAGAAGCCACCCATGACAAAGAAATCAGACAAATGCTGAAGCTGTGGAAAGGACTCAACAAAGAAAG
 CTTGAAGAATTGCTTCTAGGAGCAGCTAGAGAAGGAAGAACAGCTGAAGTGCAGCTCTGCTCAGCAGGC
 CCAATCCTCCTGATGTGAAGTCTCAGATCAGTTAGGAAATACTCCCTTGCAGTGTGCAGCTACCGGGC
 CCACAAGCAGTGTCTTAAAGCTTCTGAGAAGTGGAGCTGACCCAGCCTGAAGAACAAGAACGATCAG
 AAACCTCTTGACCTTGCCATGGCACTGAAATGAAACATATCCTTGTGGTAATAAGGTTGCCACAAG
 CCCTGAAACGCTTTGAAGGCCCTCTCTGGAAGAGTTCAAGATTTTTGGCTGGAAGTTATTTCTGGGTAGT
 GTTAGAACACGGCGTCTTTCTGGTACAGGAAGCAGCCTGATGCAGTCCATAATTTCTACCGCCAAGGA
 TGCAAACACCTGACTCAAGCGGTGTGCACGGTGAACCTACAGATGGCTGCCTCTTCTGTCCGATGCT
 TTGATGACACCGTTATGGCTTTTCGGGTTCTAAGAACAGCCTACAGCAATCGAGAGAGAAGTGGCTGGA
 AGCAATTGAAGAACATTTGCATACAGCACTCACTACTGCTCCCAGGATCAGGTGACTGATGATGAAGAG
 GAAGATGTAGCTTCTGCCATGGACCTGAAGGAGTCTTAGCGAGAGCACAACATGTCAACAGAGACTAG
 ATAGGGAATTTACAACCTTCTCAAATGATTAAAGGAGTCCGATGTGGCCAAAGATATGCTTCCATCATT
 TCTTCAGAAAGCTGACGTGCTCTCCGAAGCTTCTAGAGAGACTTGTGTGGCGCTGAGTACTGTCTTAAT
 CTCTTCACTAAACAGGAAGGGTAAAGAAATTTAAATTGGAACAGGAGCAAGAAAAAACAATAATTTGT
 CAGAAGCGCTGGAGACTTTAGCCACTGAGCATCATGAACTAGAACGATCCCTGGTTGAAGGATCTCCGCC
 TGTGAGCATCCTTAGTGAGGACGAGTCTATGATGCACTGTCCAGGTCGAGTCCGAGGGTTCGCTGACT
 TGTCTGGAAGCTGTGACAGCACGCGCTTTGAAGAGAACGAAGTGCCTGCGAACAGCGGGAAGCACAGAA
 TGTCGGAAGGGAAGGACTGTGGCGGAGGAGATGCGCTCTCAACGGCATTAAAAAGCACAGAACAGCCT
 GCCATACCCATGTTCTCCAGAAATGACTTCAGCATCTGGAGCATCCTCAGGAAATGCATTGGGATGGAA
 CTGTCCAAGATACAATGCCAGTCATCTTAATGAGCCTCTGAGCTTTCTGCAGCGGCTGACTGAGTACA
 TGGAGCACACTTACCTCATCCACAAAGCCAGCTCATTCTCTGATCCTGTGAAAGGATGCAGTGTGTGGC
 TGCAATTTGCTGTGTCTGCCGTTGCTTCTCAGTGGGAGCGCACTGGGAAACCCCTTCAACCCACTTCTGGGA
 GAGACTTACGAATTAGTTCGAGATGACCTTGGATTTAGGCTCATCTCAGAGCAGGTGAGCCACCACCCCC
 CCATCAGTGCAATCCATGCAGAAGGACTCAACAACGATTTTCACTTCCATGGCTCAATTTACCCCAAGCT
 GAAGTTCTGGGGCAAGAGTGTAGAAGCAGAACCTAAAGGGACCATCACCTTGAGCTTTTGAACACAAC
 GAAGCATACACATGGACAAACCCACCTGCTGTGTGCATAACATCATCGTGGGCAAACTCTGGATCGAAC
 AGTATGGCAATGTGAAATCATAAACACAAGACTGGGGACAAGTGTGTGTTGAATTTAAGCCATGTGG
 TCTTTTTGGCAAGGAATTACACAAAGTTGAAGGCTACATACAAGATAAAAGCAAAAAGAACTCTGTGCT
 CTCTACGGGAAGTGGACCGAGTGTGTACAGTGTAGACCCTGCCACTTTTACGCTTACAAAAAAGCG
 ATAAAGAAAAACAGAAAGAGAAGAGACGAAACAGGCAAGCAGCATCTGAGGAGTCTGACGAAATGCC
 AGTGCCGACTCTGAGAGCGTATTTGTTATTCCTGGCAGTGCCTCCTGTGGCGGATAGCCCCGCGGCT
 CCCAACTCTGCTCAGATGTATAATTTTACCAGCTTTGCCATGGTCTTGAATGAGGTAGACAAGGAGATGG
 AGACCGTATTCCCAAGACTGACTGCAGGCTGCGGCTGACATCAGAGCCATGGAGAACGGAGAGATAGA
 TCAAGCTAGTGAAGAAAAAAGCAGCTCGAGGAAAAACAAGAGCAGCCCGAAAAACAGGTCCAAGTCA
 GAAGAGGACTGGAAGACAAGGTGGTTTCATCAAGGCCCTAACCCCTACAGTGGAGCACAGGACTGGATTT
 ATTCTGGCAGCTACTGGACAGAACTACTTCAATTTGCCTGATATTTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:	NM_172023
Insert Size:	2853 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:	<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.
RefSeq:	NM_172023.1 , NP_742020.1
RefSeq Size:	3051 bp
RefSeq ORF:	2853 bp
Locus ID:	259221
UniProt ID:	Q8K4M9
Cytogenetics:	18p13
Gene Summary:	human homolog is a member of the family of eukaryotic intracellular lipid receptors and may be involved in vesicle transport [RGD, Feb 2006]