

Product datasheet for **MC222783**

Osbp1a (NM_207530) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp1a (NM_207530) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbp1a
Synonyms:	G430090F17Rik; Gm753; ORP-1; Osbp1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222783 representing NM_207530
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACACAGAAGCAGAACAGCAGCTTCTCCATCATGCCAGAAATGGCAATGCTGAAGAGGTGCGAAAGC
 TGCTGGCAGCCATGGCACGGATGGAAGTGGTCGCTGACATCGACTGTAAGGAAGAAGTAAGTCTAACTT
 GGGCTGGACACCTCTTACCTGGCATGCTATTTTGGACACAAACAAGTGGTCGAGGATCTGTTGAAGGCT
 GGTGCAAAAGTGAACATGTTAAACGACATGGGGGACACGCCACTGCATCGAGCCGCTTACAGGACGAA
 AGGAGCTGGTCTTCTTTTGAATACGATGCTGACAGTACAGTTGTAATGGAAGTGGACAGACAGC
 AAAAGAAGCCACCCATGACAAAGAAATCAGAAACATGCTGAAGCTGTGGAGAGGACTCAACAAAGAAAG
 CTTGAAGAATTGCTTTTAGGAGCAGCTAGAGAAGGAAGAACAGCCGAAGTATCAGCTCTGCTCAGCAGGC
 CCAATCCTCTGATGTGAAGTCTCAGATCAGTAGGAAATACCCCTTACTACTGTGCCGCTACCGGGC
 CCACAAGCAGTGTCTAAAGCTCCTGAGAAGCGGAGCTGACCCAGCCTGAAGAACAAGAACGATCAG
 AAACCTCTTGACCTTGCCAGGGTGTGAAATGAAGCATATTCTTGTGGTAATAAGGTTGCCACAAG
 CACTGAAACGCTACGAAGGCCCTCTCTGGAAGAGTTCAAGATTTTTGGCTGGAAGTTATTTGGGTAGT
 GTTAGAACATGGAGTCTTTCTGGTATAGGAAGCAGCCTGATGCAGTCCATAATTCTTATCGCCAAGGA
 TGCAAACACCTGACTCAAGCCGTGTGCACGGTGAACCTACAGATAGTGCCTCTTCTCCATTGATGCT
 TTGATGACACTGTTCACTGCTTCAGGGTCTTAAGAACAGCGTACAGCAATCAAGAGAGAAGTGGCTGGA
 AGCAATTGAAGAACACTCCGCATACAGCACTCACTACTGTTCCAGGATCAGGTGACTGATGATGAAGAA
 GAAGATGTAGTTTCGGCCATGGACTTGAAGGAGTCGTTAGCGAGAGCACAACATGTCAACAGAGACTAG
 ATAGGGAATTTACAACCTTCTCAAATGATTAAGGAGTGTGATGTGGCCAAAGATATGCTCCATCGTT
 TCTTCAGAAAGCTGATATTGTCTCCGAAGCTTCTAGAGAGACTTGTGTGGCGTTGAATGACTGTCTTAAT
 CTCTTCACTAAACAGGAAGGGGTGAGGAATTTAAATTGGAACAGGAGCAAGAAAAACAAAATTTTGT
 CAGAAGCACTGGAGACTTTAGCCACTGAGCATCATGAACTAGAACGATCCCTGGTTGAAGGATCCCCGCC
 TGTGAGCATCCTTAGTGAGGAGGAGTCTATGATGCACTGTGAGTTCGAGTCCGAGTCCGAGGGTCTGCTGACT
 TGCCTGGAAGCTGTGACAGCACACTCCTTTGAAGAGAACGAAGTGCCTGGGAGCAGCGGAAAGCACAGAA
 TGTCTGAAGGAAAAGACTGTGGTGGGGGAGATGCGCTCTCAATGGCATCAAAAAGCACAGAAACAGCCT
 GCCATCACCTATGTTCTCAGAAACGATTTGAGCATCTGGAGCATCCTCAGAAAATGCATTGGGATGGAA
 CTGTCCAAGATACAATGCCAGTATTTAATGAGCCTCTGAGCTTCTGCAGCGGCTAACTGAATACA
 TGGAGCACAGTACCTCATCCACAAAGCCAGTTCACTTTCTGATCCTGTGAAAGGATGCAGTGTGTGGC
 TGCAATTTGCTGTGTCTGCTGCGCTCTCAGTGGGAGCGCACCGGAAAGCCCTTCAACCCGCTTCTGGGA
 GAGACTTATGAATTAGTTCGAGATGACCTTGGGTTTAGGCTCATCTCAGAACAGGTGAGCCATATCCCC
 CAATCAGTGCATTCATGCAGAAGGGCTCAACAATGACTTCACTTCCATGGCTCAATTTACCCCAAAC
 GAAGTTCTGGGCAAGAGTGTAGAAGCAGAGCCTAAAGGAACCATCACCTTGAGCTTTTAGACCACAAC
 GAAGCATACACATGGACAAACCCACCTGTTGTGTGCATAACATCATCGTGGGCAAGCTCTGGATTGAAC
 AGTATGGCAACGTGGAATCATAAACACAAGACTGGGGACAAATGTGTGCTGAATTTAAGCCATGTGG
 TCTTTTTGGCAAGGAATTACACAAAGTTGAAGGCTACATACAAGATAAAAGCAAAAAGAAGCTCTGTGCT
 CTCTATGGGAAGTGGACTGAGTGTGTACAGCGTAGACCCTGCCACTTTTGTGCTTACAAAAAATG
 ATAAGAAAAACACAGAAGAGAAGAAGAACGAAACAGACAAGCTCATCTGAGGAGTCTGATGAAATGCC
 AGTGCCAGATTCGAGAGCGTATTCATTATCCCTGGAAGTGTGCTCCTGTGGCGGATAGCCCCGCGGCT
 CCCAACTCTGCTCAGATGTATAACTTTACCAGCTTTGCCATGGTTTTGAATGAAGTCGACAAGGAGATGG
 AGAGTGTGATTCCAAGACTGACTGCAGGCTACGGCTGACATCAGAGCCATGGAGAACGGAGAGATAGA
 TCTAGCTAGTGAAGAAAAGAACGGCTTGAGGAAAAGCAAAGAGCAGCCCGCAAGAACAGGTCCAAGTCG
 GAAGAGGACTGGAAGACAAGGTGGTCCATCAAGTCTTAACCCCTACAGTGGAGCACAGGACTGGATTT
 ATTCTGGCAGCTACTGGACAGAAACTACTTCAATTTGCTGATATTTAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_207530
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:	<u>NM_207530.3</u> , <u>NP_997413.2</u>
RefSeq Size:	3958 bp
RefSeq ORF:	2853 bp
Locus ID:	64291
UniProt ID:	<u>Q91XL9</u>
Cytogenetics:	18 A1
Gene Summary:	<p>Binds phospholipids; exhibits strong binding to phosphatidic acid and weak binding to phosphatidylinositol 3-phosphate. Stabilizes GTP-bound RAB7A on late endosomes/lysosomes and alters functional properties of late endocytic compartments via its interaction with RAB7A. Binds 25-hydroxycholesterol and cholesterol.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>