

Product datasheet for **MC222161**

Osbp13 (NM_027881) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp13 (NM_027881) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbp13
Synonyms:	1200014M06Rik; 6720421I08Rik; A530055M08; ORP-3; ORP3; OSBP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222161 representing NM_027881
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGACGAGAAGAATCTCGGTGTGTCTCAAAAGTTGGTTTCACCTTCAAGAAGCACAAGTAGTTGCT
 CCTCCAAGCAAGGAAGCCGGCAGGACAGCTGGGAAGTCGTGGAAGGATTGAGAGGGGAAAATGACTTACAC
 CCAGGAGCCGCCAGTGCAGAAAGGATTTTTGCTGAAAAAGAGGAAGTGGCCCTTAAAAGGCTGGCACAAG
 AGATTCTTCTGCCTGGAAAAGGGAATCTTGAAATATGCCAAGAGCCAAGCTGATATTGAGCGGGAGAAGT
 TGCATGGCTGCATTGACGTGGGGCTCTCTGTGATGTCTGTGAAGAAGTCGTCTAAGTGTATCGACCTAGA
 CACGGAGGAGCACATCTACCACCTGAAGGTGAAGTCAGAAGAAGCTTTTGACGAGTGGGTGTCCAAGCTC
 CGTCACCACAGAATGTACCGGCAGAATGAGATCGCCATGTTTCCCGGGATGTCAATCACTTTTTCTCAG
 GGTCTCTGTACAGATTCTGCCCCAGGAGTGTTCGAGTCAGTTCCAGTAGGAAGCGTAGCAGTCTATC
 AAAGCAGAATTCATTTCCACCCGAAGCAATTTGTCAATTTCTTGTGGTGGCGACTCGAGTTCCTTTTC
 TGGCTACAGTCTTACAGAGACATGGAAAAATGTTCAAAAGACATGGCACACTGCCATGCCTACCTGCCTGG
 AAATGAGCCAGCTCTTAGAAAGCATGGACGTCCTGCATCGGACATACTCGGCGCCAGCCATCAACGCCAT
 CCAGGTCCCTAAGCCTTTTTCTGGCCCTGTGAGACTGCACTCCTCCAATCCTAATTGTGCGACGCTGGAC
 TTTGGAGAAGAGAAGTCTTACTCGGATGGTTCTGAAGCCTCGTCGGAGTTCTCCAAGATGCAGGAGGATC
 TGTGCCATGTGCGCCACAAAAGTTTACTTCGCTTAAAGTTCGGCTTCAATAGCATATCGTGGAGAGAGA
 GAAACTGAAGCAGCTGATGGAGCTGGACACCTCCCCCTCCCCCTCCGCTCAGGTCGTGGGCTGAAGCAC
 GCTCTGTATCCGCCCTAGCACAAAACACAGATCTTAAAGAACGTTACGCAGAATCCATCGGGAATCTC
 TGCTCCTCGACCCGCGCTGTTCCCAAGCCGGGGACAACCTGGCAGAGGAAAACCTCCAGGAGGAGGG
 CCGAGCCCTGGTGCACCAGCTCTCCAATGAGAGCAGGCTGTCTATCACCGACTCCCTTTCTGAGTTCTTC
 GATGCCAGGAAGTTCTGCTGTCTCCTAGCTCTTCAAGAAACGAGATTTCTGATGATGATTCATACGTCA
 GTGACATAAGTGATAATCTGTCTTAGACAACCTCAGTAATGATTTAGACAATGAAAGACAGACCTTGGG
 GCCTGTTCTCGAGAGTAGTGGGAAGCCAGATCCAAAAGGAGGACCAGCTTGCCGGCACCGGGTCCCAAC
 ACCAGTAGCGTTAGCTTGTGGAGCATCTGCGCAACAACATTGGGAAGGACCTGTCCAAGGTGGCCATGC
 CGGTGGAGCTGAACGAGCCCTGAACACGCTGCAGCGGCTCTGCGAGGAGCTGGAATACAGCGAGCTTCT
 GGACAAGGCTCGAGAATCCCCAGTCCCCTGGAGAGGATGGTGTACGTAGCAGCCTTCGCCATCTCCGCA
 TATGCATCCAGCTACTTCCGAGCAGGACAGCAAGCCGTTTAAACCCGTCCTTGGAGAAACGTACGAATGCA
 TCCGACAGGACAAGGTTTCCAGTTTTTTCGCCGAGCAGGTCAGCCACCACCACCTATCTCCGCCTGCCA
 CGCTGAGTCCGGAACTTTGTTTTCTGGCAAGATGTGAGATGGAAAAATAAATCTGGGGTAAATCCATG
 GAAATTGTCCCGATTGGCACAACCCACGTGACTCTGCCTGCTTTTGGAGATCACTTTGAGTGAACAAAAG
 TAACCTCCTGCATCCACAACATCTTGAGCGGACAGCGATGGATCGAGCACTATGGCGAAATTGACATCAA
 GAACCTGAATGACGACTCCTGCCACTGCAAAGTGAAGTTCATAAAGGCTAAGTACTGGAGCACTAATGCC
 CACGAGATCGAAGGCACGGTGTTCGACCCAGTGGGAAGGCTGTGCACCGGCTGTTTGGGAAATGGCAGC
 AGAGCATCTACTGTGGCGGCCCTCCTCTTCCACATGCGTCTGGAGAGCAATCCCATGCCGAAAGGCTA
 TGAGCAGTATTATGGCTTACACAGTTTGCACTAGAGTTAAATGAAATGGATCCTTTGTCAAGTCTTTA
 TTACCACCCACCGACTCGGTTTAGACCAGATCAAAGGCTTCTAGAGGAAGGGAACATAGAGGAGGCTG
 AGGTTTCAGAAGCAGAGGATCGAGAAGCTGCAGAGAGAGCGGCGGAGGCTTGGAGGAGAACGGTGTGGA
 GCACCAGCCCGGTTTTTTCAGGAAATCCAGTGACGATGCTTGGGTAAAGCAATGGGACCTACCTGGAAGT
 AGGAAAGACCTTGGCTTTTCCAAGTTGGACCATCCCGTCTATGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027881
Insert Size: 2568 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_027881.3 , NP_082157.2
RefSeq Size:	6497 bp
RefSeq ORF:	2568 bp
Locus ID:	71720
UniProt ID:	Q9DBS9
Cytogenetics:	6 B2.3
Gene Summary:	Phosphoinositide-binding protein which associates with both cell and endoplasmic reticulum (ER) membranes. Can bind to the ER membrane protein VAPA and recruit VAPA to plasma membrane sites, thus linking these intracellular compartments. The ORP3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface. With VAPA, may regulate ER morphology. Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion. Binds to phosphoinositides with preference for PI(3,4)P2 and PI(3,4,5)P3. Also binds 25-hydroxycholesterol and cholesterol.[UniProtKB/Swiss-Prot Function]