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Product datasheet for MC228301

Osbpl1a (NM_001252489) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbpl1a (NM_001252489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Osbpl1a
Synonyms:	G430090F17Rik; Gm753; ORP-1; Osbpl1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>MC228301 representing NM_001252489
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTCCATCGTTTCTTCAGAAAGCTGATATTGTCTCCGAAGCTTCTAGAGAGACTTGTGTGGCGTTGA
ATGACTGTCTTAATCTCTTCACTAAACAGGAAGGGGTGAGGAATTTTAAATTGGAACAGGAGCAAGAAAA
AAACAAAATTTTGTCAGAAGCACTGGAGACTTTAGCCACTGAGCATCATGAACTAGAACGATCCCTGGTT
GAAGGATCCCCGCCTGTCAGCATCCTTAGTGAGGAGGAGTTCTATGATGCACTGTCAGGTTCCGAGTCCG
AGGGGTCGCTGACTTGCCTGGAAGCTGTGACAGCACACTCCTTTGAAGAGAACGAAGTGCCTGGGAGCAG
CGGAAAGCACAGAATGTCTGAAGGAAAAGACTGTGGTGGGGGAGATGCGCTCTCCAATGGCATCAAAAAG
CACAGAACAAGCCTGCCATCACCTATGTTCTCCAGAAACGATTTCAGCATCTGGAGCATCCTCAGAAAAT
GCATTGGGATGGAACTGTCCAAGATCACAATGCCAGTGATATTTAATGAGCCTCTGAGCTTCCTGCAGCG
GCTAACTGAATACATGGAGCACACGTACCTCATCCACAAAGCCAGTTCACTTTCTGATCCTGTGGAAAGG
ATGCAGTGTGTGGCTGCATTTGCTGTGTCTGCTGTCGCCTCTCAGTGGGAGCGCACCGGAAAGCCCTTCA
ACCCGCTTCTGGGAGAGACTTATGAATTAGTTCGAGATGACCTTGGGTTTAGGCTCATCTCAGAACAGGT
CAGCCATCATCCCCCAATCAGTGCATTCCATGCAGAAGGGCTCAACAATGACTTCATCTTCCATGGCTCA
ATTTACCCCAAACTGAAGTTCTGGGGCAAGAGTGTAGAAGCAGAGCCTAAAGGAACCATCACCTTGGAGC
TTTTAGACCACAACGAAGCATACACATGGACAAACCCCACCTGTTGTGTGCATAACATCATCGTGGGCAA
GCTCTGGATTGAACAGTATGGCAACGTGGAAATCATAAACCACAAGACTGGGGACAAATGTGTGCTGAAT
TTTAAGCCATGTGGTCTTTTTGGCAAGGAATTACACAAAGTTGAAGGCTACATACAAGATAAAAGCAAAA
AGAAGCTCTGTGCTCTCTATGGGAAGTGGACTGAGTGCTTGTACAGCGTAGACCCTGCCACTTTTGATGC
TTACAAAAAAAATGATAAGAAAAACACAGAAGAGAAGAAGAACAGCAAACAGACAAGCTCATCTGAGGAG
TCTGATGAAATGCCAGTGCCAGATTCCGAGAGCGTATTCATTATCCCTGGAAGTGTGCTCCTGTGGCGGA
TAGCCCCGCGGCCTCCCAACTCTGCTCAGATGTATAACTTTACCAGCTTTGCCATGGTTTTGAATGAAGT
CGACAAGGAGATGGAGAGTGTGATTCCCAAGACTGACTGCAGGCTACGGCCTGACATCAGAGCCATGGAG
AACGGAGAGATAGATCTAGCTAGTGAAGAAAAGAAACGGCTTGAGGAAAAGCAAAGAGCAGCCCGCAAGA
ACAGGTCCAAGTCGGAAGAGGACTGGAAGACAAGGTGGTTCCATCAAGGTCCTAACCCCTACAGTGGAGC
ACAGGACTGGATTTATTCTGGCAGCTACTGGGACAGAAACTACTTCAATTTGCCTGATATTTATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: NM_001252489

Insert Size: 1677 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).

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Reconstitution Method:	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_001252489.1, NP_001239418.1
RefSeq Size:	2829 bp
RefSeq ORF:	1677 bp
Locus ID:	64291
UniProt ID:	Q91XL9
Cytogenetics:	18 A1
Gene Summary:	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] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a large portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.

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