

Product datasheet for **MR211031**

Osbp15 (BC079872) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osbp15 (BC079872) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp15
Synonyms:	ORP5, Osbp2, Obph1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211031 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGAGGAGGCTTTCTCCGGCGCCGTTTCTCGTGTGTCCACCAGTTCTACTCCACAGAAGACTG
ACCCCGGAAAGTCCACGGAACCTGCTTCTGGGCTGCGAAAATGAGCTTGGTCCCATCACCCAGGAAG
GGACATGGAGTCCAACGGCCATCACAACCCAGAGATGAAGAGCCCAGACCCCAGGCTCCGCCACGAAG
GTGCCACTGGCTGAGTACAGGCTATGCAATGGATCTGACAAGGAATGTACCTCTCCAACGACCAGGGTCT
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GTTCACTGCCCTGACTGACCCAGTGTGGTCATCATGGCTGACAGCCTAAAGATCCGAGGGACCTGAAG
AGCTGGACGAAGCTGTGGTGTACTGAAGCCAGGGTGTGCTCATTTACAAGACACCAAGTGGGCC
AGTGGGTGGGCACGGTGTGCTGACTGCTGCGAGCTTATTGAGCGCCCTCCAAGAAGGACGGCTTCTG
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Protein Sequence:

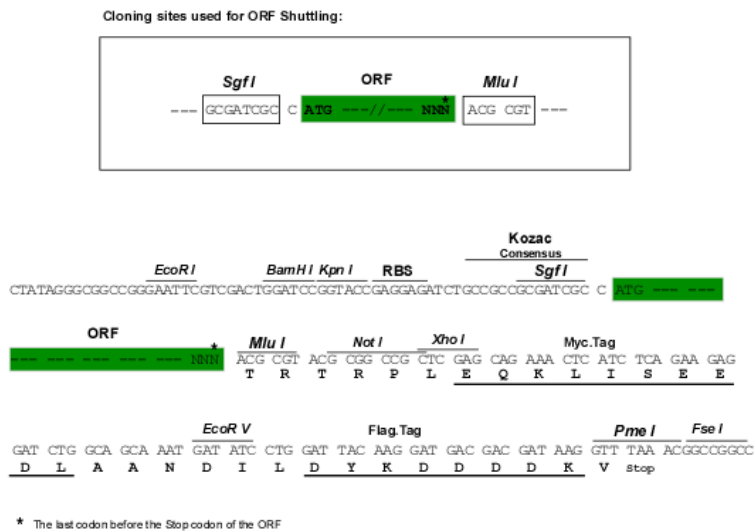
>MR211031 protein sequence
Red=Cloning site Green=Tags(s)

MKEEAFRRRFLCPPASTPQKTDPRKVPRNLLLGCENELGPITPGRDMESNGPSQPRDEEPQTPGSATK
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SWTKLWCVLKPGLVLLIYKTPKVGQWVGTVLLHCCELIERPSKKDGFCKLFHPLDQSVVAVKGPKGESVG
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GELDETSQVETVSEENKSLMWVLLRQLRPGMDLSRVVLPFVLEPRSFGLKLSDYHHYHGDLLSRAAEDD
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DGFMSGISITAKSKFYGNLSALLDGGAKLTFLNRKEEYTLTMPYAHCGRGILYGTMTMELGGKVNIECEK
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TQEWRYRYEDLSPWDPLKDIAQYEQDGLHTLQRETMSGQTTFLGSPDSRHKRPSDDRRLRKASDQPSGH
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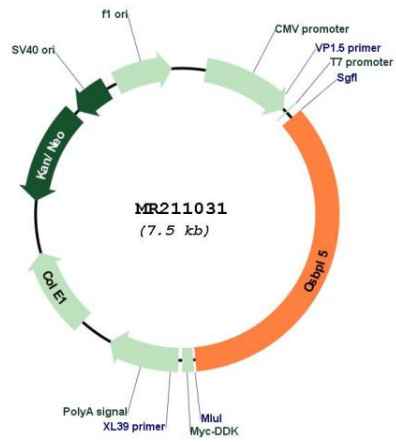
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN:	BC079872
ORF Size:	2622 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	BC079872 , AAH79872
RefSeq Size:	3834 bp
RefSeq ORF:	2624 bp
Locus ID:	79196
Cytogenetics:	7 88.29 cM
MW:	98.9 kDa
Gene Summary:	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/SACM1L 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]

Product images:



Circular map for MR211031