

Product datasheet for **RC211520**

OSBPL9 (NM_148909) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_148909) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OSBPL9
Synonyms:	ORP-9; ORP9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC211520 representing NM_148909
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGTCCATCATGGAAGGGCCGCTGAGCAAATGGACTAACGTGATGAAGGGCTGGCAGTACCGTTGGT
TCGTGCTGGACTACAATGCAGGACTGCTCTCCTACTACACGTCCAAGGACAAAATGATGAGAGGCTCTCG
CAGAGGATGTGTTAGACTCAGAGGAGCTGTGATTGGTATAGACGATGAGGACGACAGCACCTTCACAATA
ACTGTTGATCAGAAAACCTTCCATTTCCAGGCCGCTGATGCTGATGAGCGAGAGAAGTGGATCCATGCCT
TAGAAGAAAACAATTTCCGACATACTCTCCAGCTTCAAATCAGTACCACACTTGTCTTTTTCCAGCTTTC
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TAGCATGGTAGAATCAATTAACACTGCATTGTGTTGCTGCAGATTGCCAAAAGTACTATTAATCCCGTA
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CAGAACCTGTTGAGTGTGTAAGTCAGAGCAGCGTCCATCTTCCCTACCAGTTGGACCTGTGTTGGCTAC
CTTGGGACATCATCAGACTCCTACACCAATAGTACAGGCAGTGGCCATTACCACCGAGTAGCAGTCTC
ACTTCTCCAAGCCACGTGAACCTGTCTCCAAATACAGTCCCAGAGTTCTCTTACTCCAGCAGTGAAGATG
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AAAATTCCTTGGGATGTCAATTTGGGTGCACAACATAGGGCAGGGCTGTGTCTCATGTCTAGACTATGAT
GAACATTACATTCTCACATTCCTCAATGGCTATGGAAGTCTATCCTCACAGTGCCTGGGTGGAATTAG
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CCAAGAAGTTGCCTATAATCAAGAAGAAAGTGAGGAAGTTGGAAGATCAGAACGAGTATGAATCCCGCAG
CCTTTGGAAGGATGTCACTTTCAACTTAAAAATCAGAGACATTGATGCAGCAACTGAAGCAAAGCACAGG
CTTGAAGAAAGACAAAGAGCAGAAGCCGAGAAAGGAAGGAGAAGGAAATTCAGTGGGAGACAAGGTTAT
TTCATGAAGATGGAGAATGCTGGGTTTATGATGAACCATTACTGAAACGTCTTGGTGTGCCAAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211520 representing NM_148909
Red=Cloning site Green=Tags(s)

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MASIMEGPLSKWTNVMKGWQYRWFVLDYNAGLLSYTTSKDKMMRGSRRGCVRLRGAVIGIDDEDDSTFTI
TVDQKTFHFQARDADEREKWIHALEETILRHTLQLQISTTLAFFQSSGISPVLEFSKIIGLDSGFVPSVQ
DFDKKLTEADAYLQILIEQLKLFDDKLQNKCEDEQRKKIETLKETTNMVESIKHCIVLLQIAKSTINPV
DAIYQPSPLEPVIISTMPSQTVLPPEPVQLCKSEQRPSSLPVGPVLA TLGHHQTPPTPNSTGSGHSPSSSL
TSPSHVNLSPNTVPEFSYSSSEDEFYDADEFHQSGSSPKRLIDSSGSASVLT HSSSGNSLKRPDTTESLN
SSL SNGTSDADLFDSDHDDRDDDAEAGSVEEHKSVIMHLLSQVRLGMDLTKVVLPTFILERRSLEMYADF
FAHPDLFVVISDQKDPKDRMVQVVKWYLSAFHAGRKGSVAKKPYNPILGEIFQCHWTL PNDTEENELVS
EGPVPWVSKNSVTFVAEQVSHPPISAFYAECFNKKIQFNAHIWTKSKFLGMSIGVHNIGQGCVSCLDYD
EHYILTFPNGYGRSILTPWVELGGECNINCSKTGYSANII FHTKPFYGGKKHRITAEIFSPNDKKSFC
IEGEWNGVMYAKYATGENTVFVDTKKLP IIKKKVRKLEDQNEYESRSLWKDVTFNLKIRDIDAATEAKHR
LEERQRAEARERKEKEIQWETRLFHEDGECWVYDEPLLKRLGAAKH
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3443_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_148909

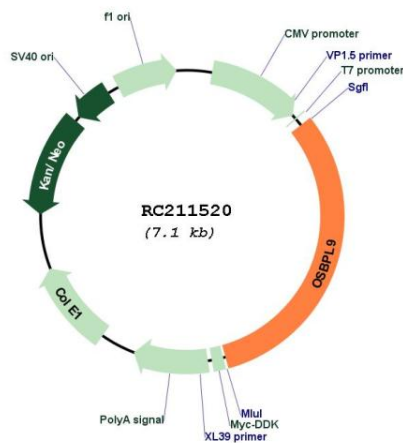
ORF Size: 2238 bp

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](#)

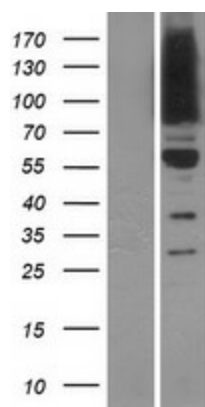
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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:**
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_148909.4](#)
- RefSeq Size:** 2949 bp
- RefSeq ORF:** 2241 bp
- Locus ID:** 114883
- UniProt ID:** [Q96SU4](#)
- Cytogenetics:** 1p32.3
- MW:** 84.1 kDa
- Gene Summary:** This gene encodes a member of the oxysterol-binding protein (OSBP) family, a group of intracellular lipid receptors. Most members contain an N-terminal pleckstrin homology domain and a highly conserved C-terminal OSBP-like sterol-binding domain, although some members contain only the sterol-binding domain. This family member functions as a cholesterol transfer protein that regulates Golgi structure and function. Multiple transcript variants, most of which encode distinct isoforms, have been identified. Related pseudogenes have been identified on chromosomes 3, 11 and 12. [provided by RefSeq, Jul 2010]

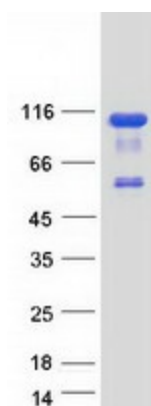
Product images:



Circular map for RC211520



Western blot validation of overexpression lysate (Cat# [LY407765]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211520 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified OSBPL9 protein (Cat# [TP311520]). The protein was produced from HEK293T cells transfected with OSBPL9 cDNA clone (Cat# RC211520) using MegaTran 2.0 (Cat# [TT210002]).