

## Product datasheet for **RC203396**

### OSBPL9 (NM\_148904) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_148904) 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:**

>RC203396 representing NM\_148904  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTAGAATCAATTAACACTGCATTGTGTTGCTGCAGATTGCCAAAAGTACTATTAATCCCGTAGATG  
 CAATATATCAACCTAGTCTTTGGAACCTGTGATCAGCACAATGCCTTCCAGACTGTGTTACCTCCAGA  
 ACCTGTTCAAGTTGTGTAAGTCAGAGCAGCGTCCATCTTCCCTACCAAGTTGGACCTGTGTTGGCTACCTTG  
 GGACATCATCAGACTCCTACACCAAATAGTACAGGCAGTGGCCATTACCACCGAGTAGCAGTCTCACTT  
 CTCCAAGCCAGTGAACCTGTCTCCAAATACAGTCCCAGAGTTCTTACTCCAGCAGTGAAGATGAATT  
 TTATGATGCTGATGAATCCATCAAAGTGGCTCATCCCCAAAGCGCTTAATAGATTCTTCTGGATCTGCC  
 TCAGTCTGACACACAGCAGCTCGGAAATAGTCTAAAACGCCAGATACCACAGAATCACTTAATTCTT  
 CCTTGTCCAATGGAACAAGTGATGCTGACCTGTTTGATTACATGATGACAGAGATGATGATCGGGAGGC  
 AGGGTCTGTGGAGGAGCACAAGAGCGTTATCATGCATCTTGTGCGAGTTAGACTTGGAAATGGATCTT  
 ACTAAGGTAGTTCTTCCAACGTTTATTCTTGAAAGAAGATCTCTTTAGAAATGTATGCAGACTTTTTTG  
 CACATCCGGACCTGTTTGTGAGCATTAGTGACCAGAAGGATCCCAAGGATCGAATGGTTCAGGTTGTGAA  
 ATGGTACCTCTCAGCCTTTCATGCGGGAAGGAAAGGATCAGTTGCCAAAAGCCATAACAATCCCATTTTG  
 GGCGAGATTTTTTCAAGTGCATTGGACATTACCAATGATACTGAAGAGAACACAGAAGTTCAGAAAG  
 GACCAGTCCCTGGGTTTCCAAAACAGTGAACATTTGTGGCTGAGCAGGTTTCCCATCATCCACCCAT  
 TTCAGCCTTTTATGCTGAGTGTTTAACAAGAAGATAAATCAATGCTCATATCTGGACCAATCAAAA  
 TTCCTTGGGATGCAATTGGGGTGCACAACATAGGGCAGGGCTGTGCTCATGTCTAGACTATGATGAAC  
 ATTACATCTCACATCCCAATGGCTATGGAAGTCTATCCTCACAGTGCCTGGTGGAAATTAGGAGG  
 AGAATGCAATATTAATTGTTCCAAAACAGGCTATAGTGCAATATCATCTTCCACACTAAACCCTTCTAT  
 GGGGGCAAGAAGCACAGAATTAAGTCCGAGATTTTTTCTCCAATGACAAGAAGTCTTTTTGCTCAATTG  
 AAGGGGAATGGAATGGTGTGATGTATGCAAAATATGCAACAGGGGAAAATACAGTCTTTGTAGATACCA  
 GAAGTTGCCTATAATCAAGAAGAAAGTGAAGGAGTTGGAAGATCAGAACGAGTATGAATCCCGCAGCCTT  
 TGAAGGATGTCACCTTCAACTTAAAAATCAGAGACATTGATGCAGCAACTGAAGCAAAGCACAGGCTTG  
 AAGAAAGACAAAGAGCAGAAGCCCGAGAAAGGAGAAGGAAATTCAGTGGGAGACAAGGTTATTTCA  
 TGAAGATGGAGAATGCTGGGTTTATGATGAACCATTACTGAAACGCTTGGTGTGCCAAGCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC203396 representing NM\_148904  
 Red=Cloning site Green=Tags(s)

MVESIKHCIVLLQIAKSTINPVDAIYQPSLEPVISTMPSQTVLPPEPVQLCKSEQRPSLPPVGPVLA  
 TLAGHHQTPPTPNSTGSGHSPSSSLTSPSHVNLSPNTVPEFSYSSSEDEFYDADEFHQSGSSPKRLIDSSGSA  
 SVLTHSSGNSLKRPDTEESLNSSLNNGTSDADLFDSDHDDRDDDAAEAGSVEEHKSVIMHLLSQVRLGMDL  
 TKVVLPTFILERRSLLLEMYADFFAHPDLFVVISDQKDPKDRMVQVVKWYLSAFHAGRKGSVAKKPYNPIL  
 GEIFQCHWTLPNDEENTELVSEGPVWPVSKNSVTFVAEQVSHHPPISAFYAECFNKKIQFNAHIWTKSK  
 FLGMSIGVHNIGQGCVSCLDYDEHYILTFPNGYGRSILVTPWVELGGECNINCSKTGYSANIIFHTKPFY  
 GGKKHRITAEIFSPNDKKSFCSEIEGEWNGVMYAKYATGENTVFVDTKKLP  
 IIKKKVVRKLEDQNEYESRSLWKDVTFNLKIRDIDAATEAKHRLERQRAERERKEKEIQWETRLFHEDGECWVYDEPLLKRLGAAKH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mg2860\\_a10.zip](https://cdn.origene.com/chromatograms/mg2860_a10.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_148904

**ORF Size:** 1674 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\\_148904.4](#)

**RefSeq Size:** 2847 bp

**RefSeq ORF:** 1677 bp

**Locus ID:** 114883

**UniProt ID:** [Q96SU4](#)

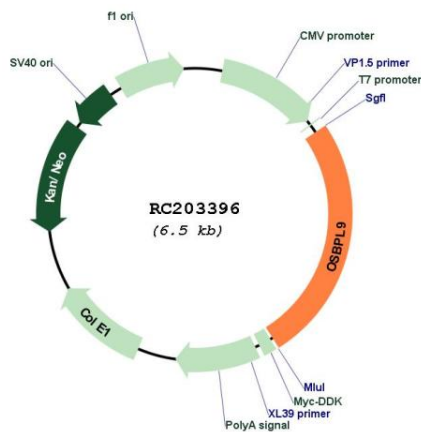
**Cytogenetics:** 1p32.3

**Domains:** Oxysterol\_BP

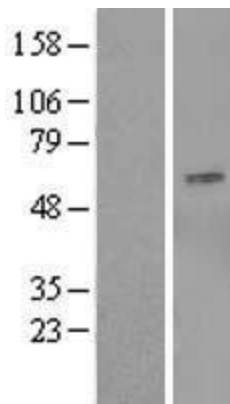
**MW:** 62.3 kDa

**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 RC203396



Western blot validation of overexpression lysate (Cat# [LY407760]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203396 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).