

## Product datasheet for **RC224905**

### **OSBPL9 (NM\_024586) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	OSBPL9 (NM_024586) 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:

>RC224905 representing NM\_024586  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGTCCATCATGGAAGGGCCGCTGAGCAAATGGACTAACGTGATGAAGGGCTGGCAGTACCGTTGGT  
TCGTGCTGGACTACAATGCAGGACTGCTCTCCTACTACACGTCCAAGGACAAAATGATGAGAGGCTCTCG  
CAGAGGATGTGTTAGACTCAGAGGAGCTGTGATTGGTATAGACGATGAGGACGACAGCACCTTCACAATA  
ACTGTTGATCAGAAAACCTTCCATTTCCAGGCCGCTGATGCTGATGAGCGAGAGAAGTGGATCCATGCCT  
TAGAAGAAACAATTCTTCGACATACTCTCCAGCTTCAAGGTTTGGATTCCAGGATTTGTTCTAGTGCCA  
AGATTTTGATAAGAACTTACAGAAGCTGATGCTTACCTACAAATCTTGATTGAACAATTAAGCTTTTT  
GATGACAAGCTTCAAAGTCAAAGAAGATGAACAGAGAAAGAAAATTGAACTCTCAAAGACAAACAA  
ATAGCATGGTAGAATCAATTAACACTGCATTGTGTTGCTGCAGATTGCCAAAGACCAGAGTAATGCGGA  
GAAGCACGCAGATGGAATGATAAGTACTATTAATCCCGTAGATGCAATATATCAACCTAGTCTTTGGAA  
CCTGTGATCAGCACAATGCCTTCCAGACTGTGTTACCTCCAGAACCTGTTCAGTTGTGTAAGTCAGAGC  
AGCGTCCATCTTCCCTACCAGTTGGACCTGTGTTGGCTACCTGGGACATCATCAGACTCTACACCAAA  
TAGTACAGGCAGTGGCCATTACCACCGAGTAGCAGTCTCACTTCTCAAAGCCAGTGAACCTTGTCTCCA  
AATACAGTCCCAGAGTCTCTTACTCCAGCAGTGAAGTGAATTTATGATGCTGATGAATTCATCAAA  
GTGGCTCATCCCCAAGCGCTTAATAGATTCTTCTGGATCTGCCTCAGTCTGACACACAGCAGCTCGGG  
AAATAGTCTAAAACGCCAGATACCACAGAATCACTTAATTCTTCTTGTCCAATGGAACAAGTATGCT  
GACCTGTTTGATTACATGATGACAGAGATGATGATGCGGAGGCAGGGTCTGTGGAGGAGCACAAGAGCG  
TTATCATGCATCTTTGTCGAGGTTAGACTTGGAAATGGATCTTACTAAGGTAGTTCTTCCAACGTTTAT  
TCTTGAAAGAAGATCTCTTTTAGAAATGTATGCAGACTTTTTTGCACATCCGGACCTGTTTGTGAGCATT  
AGTGACCAGAAGGATCCCAAGGATCGAATGGTTCAGGTTGTGAAATGGTACCTCTCAGCCTTTCATGCGG  
GAAGGAAAGGATCAGTTGCCAAAAGCCATACAATCCCATTTTGGGCGAGATTTTTCAGTGTCAATTGGAC  
ATTACCAATGATACTGAAGAGAACACAGAAGTTCAGAAGGACCAGTTCCTGGGTTTCCAAAAAC  
AGTGTAAACATTTGTGGCTGAGCAGGTTTCCCATCATCCACCCATTTTCAGCCTTTTATGCTGAGTGTTTA  
ACAAGAAGATAACAATCAATGCTCATATCTGGACCAATCAAAATTCCTGGGATGTCAATTGGGGTGCA  
CAACATAGGGCAGGGCTGTGTCTCATGTCTAGACTATGATGAACATTACATTCTCACATTCCTCAATGGC  
TATGGAAGGTCTATCCTCACAGTGCCTGGGTGGAATTAGGAGGAGAATGCAATATTAATTGTTCCAAA  
CAGGCTATAGTGCAAAATCATCTTCCACACTAAACCCTTCTATGGGGCAAGAAGCACAGAATTAAGTGC  
CGAGATTTTTTCTCAAATGACAAGAAGTCTTTTTGCTCAATTGAAGGGGAATGGAATGGTGTGATGAT  
GCAAAATATGCAACAGGGGAAAATACAGTCTTTGTAGATACCAAGAAGTTGCCTATAATCAAGAAGAAAG  
TGAGGAAGTTGGAAGATCAGAACGAGTATGAATCCCGCAGCCTTTGGAAGGATGTCACTTCAACTTAAA  
AATCAGAGACATTGATGCAGCAACTGAAGCAAAGCACAGGCTTGAAGAAAGACAAAGAGCAGAAGCCCGA  
GAAAGGAAGGAGAAGGAAATTCAGTGGGAGACAAGGTTATTTTCATGAAGATGGAGAATGCTGGGTTATG  
ATGAACCATTACTGAAACGTCTTGGTGTGCCAAGCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC224905 representing NM\_024586  
Red=Cloning site Green=Tags(s)

MASIMEGPLSKWTNVMKGWQYRWFVLDYNAGLLSYTTSKDKMMRGSRRGCVRLRGAVIGIDDEDDSTFTI  
 TVDQKTFHFQARDADEREKWIHALEETILRHTLQQLD SGFVPSVQDFDKL TEADAYLQILIEQLKLF  
 DDKLQNKCKEQRKKIETLKETTNSMVESIKHCIVLLQIAKDQSNAEKHADGMISTINPVDAIYQPSPLE  
 PVI STMP SQTVL PPEPVQLCKSEQRPSLPVGPV L AT L GHHQTP TPNSTGSGHSPSSSL TSPSHVNLSP  
 NTVPEFSYSSSEDEFYDADEFHQSGSSPKRLIDSSGSASVLT HSSSGNSLKR PDTTESLNSSL SNGTSDA  
 DLFD SHDDR DDDAEAGSVEEHKSVIMHLLSQVRLGMDLTKVVLPTFILERRS L LEM YADFFAHPDLFVSI  
 SDQKDPKDRMVVVKWYLSAFHAGRKGSVAKKPYNPILGEIFQCHWTL PNDTEENELVSEGPVPWVSKN  
 SVTFVAEQVSHPPISAFYAECFNKKIQFNAHIWTKSKFLGMSIGVHNIGQGCVSLDYDEHYILTFPNG  
 YGRSIL TVPWV ELGGECNINCSKTGYSANIIFHTKPFYGGKKHRITAEIFSPNDKKSFC SIEGEWNGVMY  
 AKYATGENTVFVDTKKLP I I K K V R K L E D Q N E Y E S R S L W K D V T F N L K I R D I D A A T E A K H R L E E R Q R A E A R  
 ERKEKEIQWETRLFHEDGECWVYDEPLLKRLGAAKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024586

**ORF Size:** 2208 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\\_024586.6](#)

**RefSeq Size:** 2919 bp

**RefSeq ORF:** 2211 bp

**Locus ID:** 114883

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

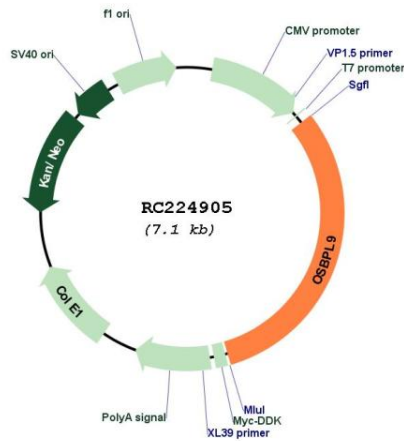
**Cytogenetics:** 1p32.3

**Domains:** Oxysterol\_BP, PH

**MW:** 83 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 RC224905