

## Product datasheet for **RR208223**

### **Osbp19 (NM\_001044234) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp19 (NM_001044234) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp19
Synonyms:	MGC125192
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR208223 representing NM\_001044234  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCCATCGTGAAGGGCCGCTGAGCAAATGGACTAACGTGATGAAGGGATGGCAGTATCGTTGGT  
 TCGTGCTGGACTACAATGCAGGACTGCTCTCCTACTATACGTCCAAAGACAAAATGATGAGAGGCTCTCG  
 AAGAGGATGCGTTAGACTCAGAGGAGCTGTGATTGGTATAGACGACGAGGACGACAGCACCTTCACAATC  
 ACTGTGGATCAGAAAACCTTCCACTTCCAGGCTCGAGATGCAGATGAGCGAGAGAAGTGGATCCATGCCT  
 TAGAAGAAACCATTCTTCGCCATACTCTTCAGCTTCAAGGTTTGGATTACAGGATTCGTTCTAGTGCCA  
 AGACTTTGATAAGAAGCTCACTGAGGCTGACGCTTACCTGCAGATCTTGATAGAACAATTGAAGCTTTTT  
 GATGACAAGCTTCAAAATGTAAGGATGATGAACAGAGAAAGAAAGTTGAAACCCCTCAAAGACACAACAA  
 ATAGCATGGTAGAATCAATTAACACTGCATTGTGTTGCTACAGATTGCTAAAAGTACTATTAATCCTGT  
 AGATGCAATATACCAGCCTAGTCCCTTGGAGCCTGTGATCAGCACAATGCCTTCCAGACTGTCTTACCT  
 CCAGAACCCGCTCAGTTGTGTAAGTCAAGCAGGTCCTGCTCCCTGCCTGTTGGACCTGTGTTAGCTA  
 CCTTGGGACATCATCAGACTCCAACACCAATAGTACAGGCAGTGGGAATTCACCACCTAGCAGCAGTCT  
 AACTCCTCCCAGCCATGTCAACTTGTCTCCAAATACAGTCCCAGAGTTCTCTTACTCTAGCAGTGAAGAT  
 GAGTTCTATGATGCTGATGAATCCATCAAAGTGGCTCATCCCCAAAGCGCTTGATAGATTCTTCTGGAT  
 CTGCCTCAGTCTGACACACAGCAGCTTGAAATAGCTTAAAACGCCAGACACCACAGAGTCACTGAA  
 TTCTCCATGTCCAATGGCACAAGCGATGCTGATCTTTTGGACTCCCATGACGACAGAGATGAAGATGGG  
 GAGGCAGGTCAGTGGAGGAGCACAAGAGCGTTATCATGCACCTTTATCCCAGGTCAGGCTCGGCATGG  
 ACCTCACAAAGGTAGTTCTTCCAACATTTATTCTCGAGAGAAGATCTCTGTTAGAAATGTATGCAGATT  
 TTTCCGACATCCCAGCTGTTCTGAGCATTAGTGATCAGAAGGACCCCAAGGATCGGATGGTTCAAGTT  
 GTGAAATGGTACCTCTCGGCCTTCCATGCAGGAAGGAGAGGATCAGTGGCCAAAAAGCCGTACAATCCTA  
 TTTTGGGTGAGATCTTTAGTGCCTGAGCGTTGCCAATGATACTGAAGAGAATGCAGAGCTCGTTTC  
 AGAAGGGCCGTTCCCTGGGTGTCTAAGAACAGTGAACATTTGTGGCTGAGCAAGTTTCCCATCATCCG  
 CCCATTTAGCCTTTTATGCTGAGTGTTTTAAACAAGAAGATAACAATCAATGCTCATATCTGGACTAAAT  
 CAAAATCCTTGGGATGTCAATTGGGTACACAACATAGGTCAGGCTGTGTCTCGTGTCTGGAGTATGG  
 TGAGCACTACATCCTCACGTTCCCAATGGCTATGGAAGGTCTATCTTGACAGTGCCTGGGTGGAATTA  
 GGAGGAGAAATGCAGTATTAAGTCTCCAAAAGTGGCTACAGTGCAAATATCGTCTCCACACCAAGCCGT  
 TCTATGGCGGCAAGAAGCACAGAATTAAGTGCAGAGATTTTTTCTCCAAATGACAAGAAATCCTTCTGCTC  
 AATTGAAGGGGAATGGAATGGCATCATGTATGCAAAATATGCAACCGGGGAAAATACTGTCTTTGTAGAC  
 ACCAAGAAGTTGCCTATAATCAAGAAAAAGTGAAGGAGTTGGAAGATCAGAACGAGTATGAGTCCCGAA  
 GCCTTTGGAAGGATGTCATTTCAATTTAAAAATCAGAGACATTGATGCAGCAACGGAAGCAAAGCACAG  
 ACTTGAAGAGAGACAAAGAGCAGAAGCGCGAGAACGGAAGGAGAAGGAAATTCAGTGGGAGACGAGGCTC  
 TTTACGAAGATGGAGAATGCTGGGTTACGATGAACCTTTACTGAAGCGTCTTGGTACTGTGAAGCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR208223 representing NM\_001044234  
Red=Cloning site Green=Tags(s)

MASIVEGPLSKWTNVMKGWQYRWFVLDYNAGLLSYTTSKDKMMRGSRRGCVRLRGAVIGIDDEDDSTFTI  
 TVDQKTFHFQARDADEREKWIHALEETILRHTLQQLD SGFVPSVQDFDKKLEADAYLQILIEQLKLF  
 DDKLNCKDDEQRKKVETLKDTTNSMVESIKHCIVLLQIAKSTINPVDAIYQPSLEPVI STMPSQTVLP  
 PEPALCKSEQRPSLPVGPVLATLGHHTPTPNSTGSGNSPPSSSLTPPSHVNLSPNTVPEFSYSSSED  
 EFYDADEFHQSGSSPKRLIDSSGSASVLTHSSGNSLKRPDTTESLNSSMSNGTSDADLFDSHDDRDEG  
 EAGSVEEHKSVIMHLLSQVRLGMDLTKVVLPTFLERRSLEMYADFFAHPDLFVSI SDQKDRDRMVQV  
 VKWYLSAFHAGRGRGSAKPPYNPILGEIFQCHWTL PNDTEENAELVSEGPVPWVSKNSVTFVAEQVSHHP  
 PISAFYAECFNKKIQFNAHIWTKSKFLGMSIGVHNI GQGCVSCLEYGEHYILTFPNGYGRSILTPVWVEL  
 GGECINCSKTGYSANIVFHTKPFYGGKKHRITAEIFSPNDKKSFC SIEGEWNGIMYAKYATGENTVFVD  
 TKKLP I I K 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 E R K E K E I Q W E T R L  
 FHEDGECWVYDEPLLKRLGTVKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001044234

**ORF Size:** 2169 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\\_001044234.2](#), [NP\\_001037699.2](#)

**RefSeq Size:** 2791 bp

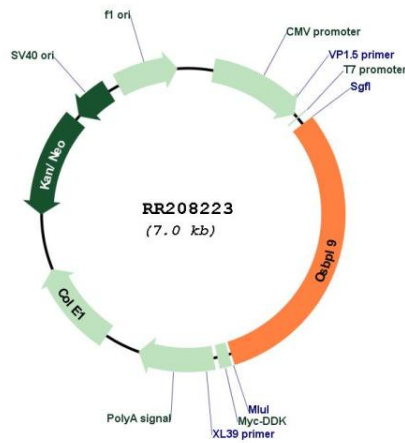
**RefSeq ORF:** 2172 bp

**Locus ID:** 298369

**Cytogenetics:** 5q34

**MW:** 81.7 kDa

**Product images:**



Circular map for RR208223