

## Product datasheet for **RR207329**

### **Osbp12 (NM\_001013079) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osbp12 (NM_001013079) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osbp12
Synonyms:	MGC108916
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207329 representing NM\_001013079  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACGGGGAGGAAGAGTTCTTTGATGCCGTCACAGGCTTTGATTCTGATAATTCTACAGGGGAATTTT  
 CAGAGGCAAATAAAATTACTGGGATGATTGACTTGGATACCAGCAAAAGTACTAGGAGTGGAAAACATGG  
 GGAGAGATCACCAAGAAGAGAATGGAATTCAGAAGCACAGGACAGCCCTGCCTGCTCCCATGTTACCCAGA  
 AGTGACTTCAGCGTGTGGAGTATCCTGAAGAAATGCATTGGCTTGGAACTGTCAAAGATCACAATGCCGA  
 TTGCCCTCAATGAGCCCTGAGCTTCTGCAGCGGATTACGGAGTACATGGAGCATGTGTATCTCATTCA  
 CAGAGCCTCAAACCAGTCCAGCCCTGGAAAGGATGCAGTCTGTAGCTGCCTTTGCGGTCTCGGCTGTG  
 GCTTCCAGTGGGAGAGAACTGGCAAACCTTTAACCCGCTCTTGGGGGAGACATATGAGTTGATCAGGG  
 AAGACTTAGGGTTCAGATTTATCTGAGCAGGTCAGTCATCACCTCCTATAAGTGCATTTTATTCAGA  
 AGGTCTCAATCAAGACTTCATGTTCCATGGTTCATCTACCCAAAGCTGAAATTCGGGCAAGAGTGTG  
 GAGGCTGAGCCCCGGGGACCATCACACTGGAACCTGCTCAAACATAATGAAGCCTACACCTGGACCAACC  
 CCACCTGTGTGTACACAATGTCATCTGGGGCAGCTATGGATAGAACAGTATGGGATAGTGGAGATCCT  
 AAATCACAGAAGTGGAGATAAGTGCATACTGCACTTCAAGCCTTGTGGACTGTTCCGGGAAGGAGCTTAC  
 AGAGTTGAAGGGTACATTCAGGACAAGAATAGGAAGAAGCTCTTTATAATGTATGGCAAGTGGACAGAGT  
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 GAAGGCCAAATCGGATGATGCCCCAGAGAAAGTTAACAGTGATGTGCCTGGCAATATGGCAGATGATGTT  
 CCTGTGGCTCAGGAGACTGTGCAAGTCACTCCCTGGCAGTAAGCTACTCTGGAGGATCAACAGCCGGCCCC  
 CCAACTGTCTCAGATGTACAACCTCACAGCTTCACTGTGAGTCTCAATGAGTTGGAGCAGGAATGGA  
 GAAGACCCTGCCACCACAGATTGCCGCCCTCCGTCTGACATCCGTGGCATGGAGAATGGCAACATGGAT  
 CTGGCCAGTCAGGAGAAGGAGCGACTAGAGGAAAAGCAGCGAGAGGCCAGAAAAGAACGTGCCAAAGAGG  
 AAGCAGAGTGGCGGACCAGGTGTTCTCTCCAGGCAATAACCCCTACACAGGAGCTCCTGACTGGCTGTA  
 TGCCGGCCATTACTTTGAACGTAATTTCTCAGACTGCCAGACATCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207329 representing NM\_001013079  
 Red=Cloning site Green=Tags(s)

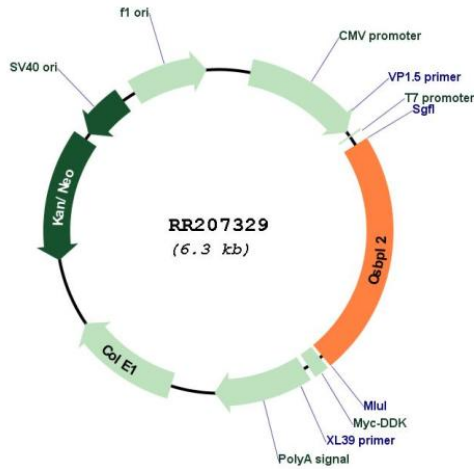
MNGEEFFDAVTGFDSNSTGEFSEANKITGMIDLDTSKSTRSGKHGERSPQENGIQKHRTALPAMFTR  
 SDFSVWSILKKCIGLELSKITMPIAFNEPLSFLQRITEYMEHVYLIHRASNQSQPLERMQSVAFAVSAV  
 ASQWERTGKPFNPLLGETYELIREDLGFRFISEQVSHHPPISAFYSEGLNQDFMFHGSYIPKLFKFKSV  
 EAEPRTITLELLKHNEAYTWNPTCCVHNVLGQLWIEQYGIVEILNHRGTGDKCILHFKPCGLFGKELH  
 RVEGYIQDKNRKLLFIMYGKWECLWGIDPVSYESFKKQEKRGDHARKAKSDDAPEKVNSDVPGNMADDV  
 PVAQETVQVIPGSKLLWRINSRPPNSAQMYNFTSFVSLNELESGMEKTLPPDCRLRPDIRGMENGNMD  
 LASQEKERLEEKQREARKERAKEEAERTRWFSPGNPYTGAPDWLYAGHYFERNFSDCPDIY

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_001013079

**ORF Size:**

1449 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\\_001013079.1](#), [NP\\_001013097.1](#)

**RefSeq Size:** 2749 bp

**RefSeq ORF:** 1452 bp

**Locus ID:** 296461

**Cytogenetics:** 3q43

**MW:** 55.4 kDa