

## Product datasheet for **RR211282**

### **Osgin1 (NM\_138504) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Osgin1 (NM_138504) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osgin1
Synonyms:	Okl38
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR211282 representing NM\_138504  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTCCTGGAGGCATGACTCCCTCAGGGCCAGCAGCTCCGATCCCCTCCCAGTAGTTATCATTGGCA  
 ATGGTCCCTCGGGTATCTGTCTATCCTACTGCTCTCTGGCTACATCCCCTATGTGAAACCAGGAGCTGT  
 CCACCCGCACCCCTGCTGCAGAGGAAGCTGACCGAGGCTCCAGGGGTCTCCATCTTGGATCAGGACCTA  
 GAATACCTTTCCGAAGGCCTCGAAGGCCGAAGCCAGAGTCTGTGGCCCTGCTCTTTGATGCCCTCTAC  
 GTCCTGACACAGACTTTGGAGGCAGCCTAGACTCTGTGCTCTCCTGGAAGCGGCAGAAGGACCGTCCAT  
 TCCCCACCTTGTCTGGACGGAACCTCCCCGGGGTGCCTGGCATTCCATTGAAGGCTCCATGGTGACT  
 TTGAGCCAAGGCCAGTGGATGAGTCTCCAGACCTGCAGGTCAAGGACTGGATGCGGAAGAAATGCAGAG  
 GCCTCCGTAACAGCAGAGCCACAGCCGGTGACATCGCCCACTACTACAGGACTATGTGATCAAGAAGGG  
 TCTCAGTCAAACTTTGTGTCTGGTCCCGTGGTCACTGCCGTGGAATGGGCTAAGTCTGAGCACTGCAGC  
 CCTGAGGCCACAGCCAGCCCCCTTCCAAGTGACAGGCTACCTGACTGCCAAGGACCACAGCCGCC  
 AGCCCTTCTCACTGTGGGCCATAACGTGGTCTGGCCACGGGCACCTTTGACAGCCAGCCATGTAGG  
 CATCCCGGAGAGACCCTGCCTTTGTCCACCACGAGCTGTCAGCCCTGGAGGCGGCCCTCCGGGACGGC  
 ACTGTGAACCAACCTCAGACCCGGTGTGATTGTGGGAGCTGGGCTATCTGCGGCCGACGCTGTCTCT  
 TTGCCCGTCACTACAACATCCAGGTGATCCATGCCTTTCGCCGTCTGTGCACGACCCTGGCCTGGTGT  
 CAACAGCTGCCAAGATGCTGTACCCGAGTACCACAAAGTGCAGCAGATGATGCGTGACCAGTCCATC  
 TTGTCCCCAGCCCTACGAGGGCTACCGAGCCTCCAGAGCACCAGCCACTGCTCTTCAAGGAAGACC  
 GTCAGGCAGTGTCCAGGACCCACAGGGGGCCAGCAGCTCTTTGGAGTCTCCATGGTCTCGTCTCCTCA  
 CGGCTCCACCCCGACCTCTCTACCTCCCTAGGGCAGGGGTGACCTGGCCATAGACCCAGTCAGCCA  
 CTGAGCCCAAGAGGAACCCATCGATGTGGACCGTTACCCATGAGAGCACTCAACAGGAGGGCTGT  
 ATGCCCTAGGGCCCTGGCTGGGACAACCTTTGTGAGGTTCTGCCAGGTGGAGCCCTGGCTGTGCCAG  
 CTCCTGCTGAAGAAGGAGACCAGGAAGCCACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR211282 representing NM\_138504  
 Red=Cloning site Green=Tags(s)

MSSWRHDSLRASSDPLPVVVIINGPSGICLSYLLSGYIPYVKPGAVHHPHLLQRKLTEAPGVSILDQDL  
 EYLSEGLEGRSQSPVALLFDALLRPDTDFGGSLDSVLWKRQKDRAIPLHLVLRNLPGGAWHSIEGSMVT  
 LSQGWMSLPDLQVQDWMRKKCRGLRNSRATAGDIAHYRDRYVIKKGLSHNFVSGAVVTAWEWAKSEHCS  
 PEAQAPSPLFQVTGYLAKDHSRQPFSLWAHNVVLTGTFDSPAMLGIPGETLPFVHHELSALEAALRAG  
 TVNPTSDPVLIVGAGLSAADAVLFARHYNIQVIHAFRRSVHDPGLVFNQLPKMLYPEYHKVQMMRDQSI  
 LSPSPYEGYRSLPEHQPLLFKEDRQAVFQDPQGGQQLFGVSMVLVLIGSHPDLSYLPRAGADLAIDPSQP  
 LSPKRNPIDVDPFTHSTQQEGLYALGPLAGDNFVRFVQGGALAAASSLLKKEKTRKPP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

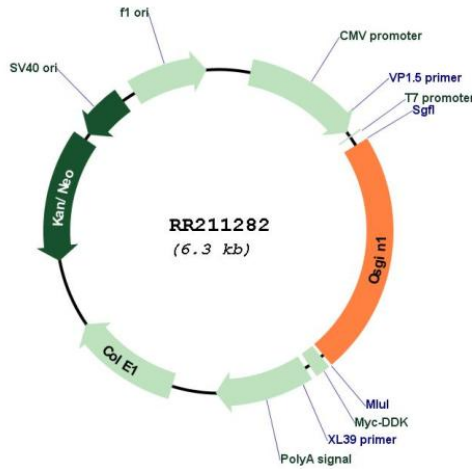
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_138504

ORF Size:

1434 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\\_138504.2](#), [NP\\_612513.1](#)

**RefSeq Size:** 2355 bp

**RefSeq ORF:** 1437 bp

**Locus ID:** 171493

**Cytogenetics:** 19q12

**MW:** 52.3 kDa

**Gene Summary:** may play a role in growth inhibition in mammary epithelial cells [RGD, Feb 2006]