

Product datasheet for **MR204993**

Osgin2 (BC010311) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osgin2 (BC010311) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osgin2
Synonyms:	MGC11786
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204993 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGAGGAAATAGCTCGCTACTACAAGCACTACGTAAGGTCATGGGCCTTCAGAAGAATTTTCGAG
AGAATACTTACATAACCTCTGTATCAAGACTCTATAGAGACCAAGGTGATAACGGTAGTCAAGACAGAGA
TATTTCCACAAAGCATTACAGAACCAGAAGTCAAATTTATCAAGAGAACTGGGAAATCAGAGGCTAT
CAGCGAATAGCAGGTGGTTCTCATGTTCCCTTTGCCTCTTTGCTGAGAATGTAGCTCTTGCAACTGGAA
CTTTGGATTCTCCTGCCATCTGGAAGTTGAAGGGGAAGAGTTCCGTTTGTGTTTCATTGATGCCTGA
GTTTGGAGCTGCTATAAACAAGGAAAGCTGTGTGGCAGAGTGGACCCAGTGTGATTGTAGGTTCCGGC
CTTACTGCCGCTGATGCAGTGCTCTGTGCCTATAACAATAATATCCCTGTGATCCACGTGTTTCGCAGAC
GAGTAAGTATCAAGCTTAATTTTCAAACAGCTTCCAAAAAGCTGTATCCTGAGTACCACAAAGTCTA
CCATATGATGTGTAGTCAGTCTACTCTGCAGACTCAGGTCTCTGTCTGATTATACCAGCTTTCCTGAG
CACCGTGTGCTTTCCTTAAAGGCAGACATGAAATGCATTCTTCAAAGTGTCTCTGGATTGAAGAAAATAT
TTAAGTGTCTGCAGCTGAATCTTGATAGGTTCTCATCTAACCTATCTTTTCTAAAGGAACAAGGGTG
TTACCTAGGCCGTAAGTCAAGCCAGCCAATAACATGCAAGGGTAACCCCTGTGGAGGTTGATGCATACCC
TATGAATGTGTTAAAGAAGCCAATCTTTTGTCTTGGCCCTTTGGTTGGAGATAATTTCTGTTTCGATTCT
TAAAGGGAGGGGCATTGGGTGTTACTCGCTGTTTGGCTACAAGACAGAAGAAAAGCAGCATTGTTTGT
TCAAAGAGGAGGAGGAGATGGGGTAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204993 protein sequence
Red=Cloning site Green=Tags(s)

MPEEIARYYKHVYKVMGLQKNFRENTYITSVSRLYRDQGDNGSQDRDISTKHLQNQKSKFIKRNWEIRGY
 QRIAGGSHVFPCLFAENVALATGTLDSPAHLEVEGEEFPFVFHSMPEFGAAINKGKLCGRVDPVLIVGSG
 LTAADAVLCAYNNNIPVIHVFRRTDPSLIFKQLPKKLYPEYHKVYHMMCSQSYSDSGPLSDYTSFPE
 HRVLSFKADMKCILQSVSGLKKIFKLSAAVILIGSHPNLSFLKEQGCYLGRNSSQPITCKGNPVEVDAYT
 YECVKEANL FALGPLVGDNFVRF LKGGALGVTRCLATRQKKKQHLFVQRGGGDGVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC010311

ORF Size: 1008 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: [BC010311](#), [AAH10311](#)

RefSeq Size: 1981 bp

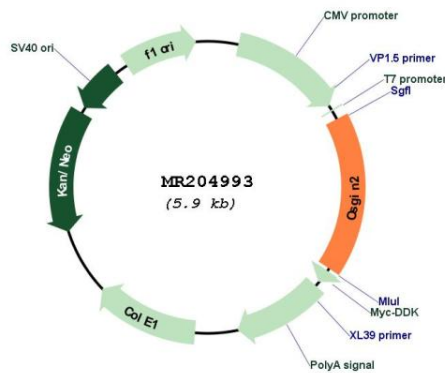
RefSeq ORF: 1010 bp

Locus ID: 209212

Cytogenetics: 4 A2

MW: 37.5 kDa

Product images:



Circular map for MR204993