

Product datasheet for **MR213417**

Osgin2 (NM_145950) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osgin2 (NM_145950) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osgin2
Synonyms:	BC010311; C230027H09Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR213417 representing NM_145950
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGTGTGGTGTGCCGCTGCTCCCTGGCCGGTCATTTTCAGAACTATAGTGACACTGAACTGAAG
 GAGAGATTTTTAATTCTTTGTGCAATATTTGGTGACAATTTGGGGCCAAAAGTTAAAGGGATGCCATT
 AGTTGAAGAAACGTCTTTACTTGAAGATTCATCAGTGACTTTGCCTATGGTAATAATTGAAATGGACCT
 TCAGGAATATGCCTTTTCATATATGCTGTGAGGCTACAGACCGTATTTATCATCGGAAGCAATACATCCAA
 ATACAATCTTACATAGTAACTAGAAGAAGCAAGACATCTGTCCATTGTGGATCAGGACTTAGAATACCT
 GTCTGAGGGTCTGAGGGGCGATCGTCCAATCCAGTGGCAGTCTTTTGGACACCCTTCTCACCCAGAT
 GCTGACTTCGGATATGAGTCTCCATCCATTCTGCACTGAAATTTGGAACAACATCATTATATCCCTCACT
 TAGTTCCTGGTAAGGGCCCGCTGGTGGGCATGGCATAATATGGAAGTTCTATGTTGACAATCAGCTT
 TGGAAATTTGGATGGAGCTTCTGGACTTCAATTTAAAGACTGGATATCTAGCAAACGAAGGAACTTAAAG
 GGGGACCGTGTATGCCGAGGAAATAGCTCGCTACTACAAGCACTACGTAAGGTCATGGCCTTCAGA
 AGAATTTTCGAGAGAATACTTACATAACCTCTGTATCAAGACTCTATAGAGACCAAGGTGATAACGGTAG
 TCAAGACAGAGATATTTCCACAAAGCATTTACAGAACCAGAAAGTCAAAATTTATCAAGAGAACTGGGAA
 ATCAGAGGCTATCAGCGAATAGCAGGTGGTTCTCATGTTCCCTTTTGCCTCTTTGCTGAGAATGTAGCTC
 TTGCAACTGGAATTTGGATTCTCTGCCCATCTGGAAGTTGAAGGGGAAGAGTTCCGTTTGTGTTTCA
 TTCGATGCCTGAGTTGGAGCTGCTATAAAACAAGGAAAGCTGTGTGGCAGAGTGGACCCAGTGTGATT
 GTAGGTTCCGGCCTTACTGCCGCTGATGCAGTCTCTGTGCCTATAACAATAATATCCCTGTGATCCACG
 GTTTTCGACAGCAGTAAGTCAAGCTTAAATTTTCAAACAGCTTCCAAAAAGCTGTATCCTGAGTATCAGTA
 CCACAAAGTCTACCATATGATGTGTAGTCACTACTCTGCAGACTCAGGTCTCTGTCTGATTATACC
 AGCTTTCCTGAGCACCGTGTGCTTTCCTTAAAGCAGACATGAAATGCATTCTTCAAAGTGTCTCTGGAT
 TGAAGAAAATATTTAAGCTGTCTGCAGCTGTAATCTTGATAGGTTCTCATCCTAACCTATCTTTTCTAAA
 GGAACAAGGGTGTACCTAGGCCGTAACCAAGCCAGCCAATAACATGCAAGGGTAACCCCTGTGGAGGTT
 GATGCATACCTATGAATGTGTTAAAGAAGCCAATCTTTTGCCTTGGGCCCTTTGGTTGGAGATAATT
 TCGTTCGATTCTAAAGGGAGGGCATTGGGTGTACTCGCTGTTGGCTACAAGACAGAAGAAAAAGCA
 GCATTTGTTTGTCAAAGAGGAGGAGATGGGGTAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213417 representing NM_145950
 Red=Cloning site Green=Tags(s)

MPVWCCRCSLAGHFRNYSDETETEGETIFNSFVQYFGDNLGPKVKGMPLVEETSLLLEDSSVTLPMVLIIGNP
 SGICLSYMLSGYRPLYLSEAIHPNTILHSLKEEARHLSIVDQDLEYLSELEGRSSNPVAVLFDLLHPD
 ADFGYESPSILHWKLEQHYYIPLVLGKPPGGAWHNMEGSMLTISFGNWMELPGLQFKDWISSKRRNLK
 GDRVMPEEIARYYKHVYKVMGLQKNFRENTYITSVSRLYRDQGDNGSQDRDISTKHLQNQSKFIKRNWE
 IRGYQRIAGGSHVPCLFAENVALATGTLDSPAHLEVEGEEFPFVHSMPEFGAATNKGLKCRVDPVLI
 VGSGTLAADAVALCAYNNNIPVIHVFRRTDPSLIFKQLPKKLYPEYHKVYHMMCSQSYSADSGPLSDYT
 SFPEHRVLSFKADMKCILQSVGLKKIFKLSAAVILIGSHPNLSFLKEQGCYLGRNSSQPITCKGNPVEV
 DAYTYECVKEANLFGALPLVGDNFVRFLKGGALGVTRCLATRQKKKQHLFVQRGGDGVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

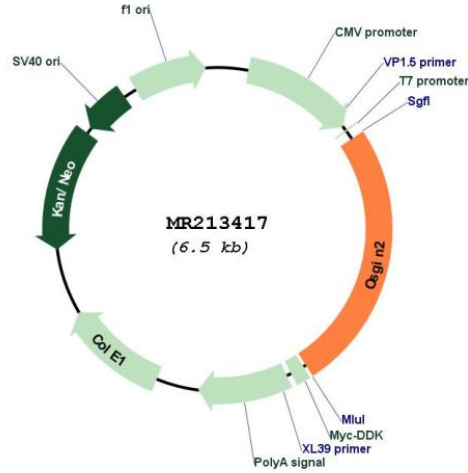
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_145950
ORF Size:	1650 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:	<ol style="list-style-type: none">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_145950.5
RefSeq Size:	2647 bp
RefSeq ORF:	1653 bp
Locus ID:	209212
Cytogenetics:	4 A2
MW:	61.9 kDa