

Product datasheet for **MG213417**

Osgin2 (NM_145950) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osgin2 (NM_145950) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Osgin2
Synonyms:	BC010311; C230027H09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213417 representing NM_145950
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTGTGTGGTCTGCCGCTGCTCCCTGGCCGGTCATTTTCAGAACTATAGTGACACTGAACTGAAG
 GAGAGATTTTTAATTCTTTGTGCAATATTTGGTGACAATTTGGGGCCAAAAGTTAAAGGGATGCCATT
 AGTTGAAGAAACGTCTTTACTTGAAGATTCATCAGTGACTTTGCCTATGGTAATAATTGAAATGGACCT
 TCAGGAATATGCCTTTTCATATATGCTGTGAGGCTACAGACCGTATTTATCATCGGAAGCAATACATCCAA
 ATACAATCTTACATAGTAACTAGAAGAAGCAAGACATCTGTCCATTGTGGATCAGGACTTAGAATACCT
 GTCTGAGGGTCTGAGGGGCGATCGTCCAATCCAGTGGCAGTCTTTTGGACACCCTTCTCACCCAGAT
 GCTGACTTCGGATATGAGTCTCCATCCATTCTGCACTGAAATTTGGAACAACATCATTATATCCCTCACT
 TAGTTCCTGGTAAGGGCCCGCTGGTGGGCATGGCATAATATGGAAGTTCTATGTTGACAATCAGCTT
 TGGAAATTGGATGGAGCTTCTGGACTTCAATTTAAAGACTGGATATCTAGCAAACGAAGGAACTTAAAG
 GGGACCGTGTATGCGCGAGGAAATAGCTCGCTACTACAAGCACTACGTAAGGTCATGGCCCTTCAGA
 AGAATTTTCGAGAGAATACTTACATAACCTCTGTATCAAGACTCTATAGAGACCAAGGTGATAACGGTAG
 TCAAGACAGAGATATTTCCACAAAGCATTTACAGAACCAGAAAGTCAAAATTTATCAAGAGAACTGGGAA
 ATCAGAGGCTATCAGCGAATAGCAGGTGGTTCTCATGTTCCCTTTTGCCTCTTTGCTGAGAATGTAGCTC
 TTGCAACTGGAATTTGGATTCTCTGCCCATCTGGAAGTTGAAGGGGAAGAGTTCCGTTTGTGTTTCA
 TTCGATGCCTGAGTTGGAGCTGCTATAAACAAGGAAAGCTGTGTGGCAGAGTGGACCCAGTGTGATT
 GTAGGTTCCGGCCTTACTGCCGCTGATGCAGTCTCTGTGCCTATAACAATAATATCCCTGTGATCCAGC
 GTTTTCGCAGACGAGTAAGTCAAGCTTAAATTTTCAACAGCTTCCAAAAAGCTGTATCCTGAGTA
 CCACAAAGTCTACCATATGATGTGTAGTCACTACTCTGCAGACTCAGGTCCTGTCTGATTATACC
 AGCTTTCCTGAGCACCGTGTGCTTTCCTTAAAGCAGACATGAAATGCATTCTTCAAAGTGTCTCTGGAT
 TGAAGAAAATATTTAAGCTGTCTGCAGCTGTAATCTTGATAGGTTCTCATCCTAACCTATCTTTTCTAAA
 GGAACAAGGGTGTACCTAGGCCGTAACCAAGCCAGCCAATAACATGCAAGGGTAACCCCTGTGGAGGT
 GATGCATACCTATGAATGTGTTAAAGAAGCCAATCTTTTGCCTTGGGCCCTTTGGTTGGAGATAATT
 TCGTTCGATTCTAAAGGGAGGGCATTGGGTGTTACTCGCTGTTGGCTACAAGACAGAAGAAAAAGCA
 GCATTTGTTTGTCAAAGAGGAGGAGATGGGGTAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG213417 representing NM_145950
 Red=Cloning site Green=Tags(s)

MPVWCCRCSLAGHFRNYSDETETEGEIFNSFVQYFGDNLGPKVKGMPLVEETSLLLEDSSVTLPMVVIINGNP
 SGICLSYMLSGYRPYLSSEAIHPNTILHSKLEEARHLSIVDQDLEYLSEGLEGRSSNPVAVLFDTL LHPD
 ADFGYESPSILHWKLEQHHYIPLVLGKPPGGAWHNMEGSMLTISFGNWMELPGLQFKDWISSKRRNLK
 GDRVMPEEIIARYYKHVYKVMGLQKNFRENTYITSVSRLYRDQGDNGSQDRDISTKHLQNKSKFIKRNWE
 IRGYQRIAGGSHVPFCLFAENVALATGTLDSPAHLEVEGEEFPFVFHSMPEFGAAINKGKLCGRVDPVLI
 VGSGLTAADAVLCAYNNNIPVIHVFRRRVTDP SLIFKQLPKKLYPEYHKVYHMMCSQSYSADSGPLSDYT
 SFPEHRVLSFKADMKCILQSVSGLKKIFKLSAAVILIGSHPNLSFLKEQGCYLGRNSSQPITCKGNPVEV
 DAYTYECVKEANL FALGPLVGDNFVRFLKGGALGVTRCLATRQKKKQHLFVQRGGGDGVA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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:

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](#)

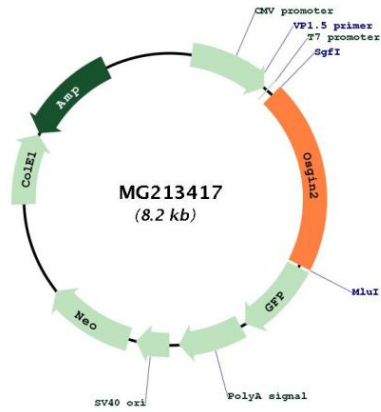
RefSeq Size: 2647 bp

RefSeq ORF: 1653 bp

Locus ID: 209212

Cytogenetics: 4 A2

Product images:



Circular map for MG213417