

Product datasheet for **MR207664**

Osgin1 (NM_027950) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Osgin1 (NM_027950) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Osgin1
Synonyms:	1700012B18Rik; Okl38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207664 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCTCCTGGAGGCACGACTCCCTTGGGGCCAGCAGCTCAGAGCCCCTCCAGTAGTCATCATCGGCA
 ATGGCCCCCTCCGGTATCTGCCTGCTACCTGCTCTGGACACATCCCCCTACGTGAAACCAGGAGCCGT
 CCACCCACACCCCTGCTGCAGAGAAAGCTGGCCGAGGCTCCAGGGTCTCCATCCTGGACCAGGACCTA
 GAGTACCTTTCCGAAGGCCTCGAAGGCCGAAGCCAGAGTCTGTGGCCCTGCTCTTTGATGCCCTCTGC
 GTCCTGACACAGACTTTGGAGGCAGCATAGACTCTGTGCTCTCCTGGAAGCGGCAGAAGGACCGCCTGT
 TCCCCACCTTGTCTGGACGGAACCTCCCCGGGGCGCCTGGCATTCCATTGAAGGCTCCATGGTGACC
 TTGAGCCAAGGCCAGTGGATGAGTCTCCAGACCTGCAGGTCAAAGACTGGATGCGGAAGAAATGCAGAG
 GTCTCCGCAACAGCAGAGCCACAGCCGGTGACATCGCCCACTACTACCGGGACTACGTGATCAAGAAAGG
 CCTAAGTCACAACCTTTGTGTCTGGTGGCTGGTACTGCCGTGGAGTGGGCTAAGTCCGAGCATGGCAGT
 CCCGAGGTCCAGGCATCCAGTCCCCTCTTCCAAGTGAATGGCTACTTGACTACCAAGGACCACGGCCACC
 AGCCCTTCTCACTGCGGGCCCGTAATGTGGTCTGGCCACAGGCACCTTTGACAGCCCAGCCATGCTAGG
 CATCCCAGGAGAGACCCTGCCCTTTGTCCACCACGACCTGTCAGCCCTGGAGGCAGCCCTTCGGGACGGC
 ACTGTGAACCCAACTCAGACCCGGTGTGATTGTGGGAGCAGGGCTATCTGCAGCCGATGCTGTCTCT
 TTGCCCGTCACTACAACATCCAGGTGATCCATGCTTTCCGCCGGTCCGTGCATGACCCCGGCTGGTATT
 CAACAGCTGCCAAGATGCTATACCCTGAGTACCACAAAGTGCAGCAGATGATGCGCGATCAGTCCATC
 TTGTCTCTAGCCCTATGAGGGCTACCGCAGCCTCCCTGAGCACCAGCCACTGCTCTTCAAAGAGGACC
 ACCAAGCAGTGTCCAGGACCCACAGGGGGCCAGCAGTCTTTGGGGTCTCCATGGTGTCTCAT
 TGGCTCCCACCCGACCTCTCCTACCTCCCAGGGCAGGTGCTGACTTGGTGCATAGACCCAGATCAGCCA
 CTGAGTCCCAAGAGGAACCCATTGACGTGGACCCCTTACCCATGAGAGCACTACCAGGAGGGCTGT
 ATGCCCTGGGGCCGTTGGCTGGGACAACCTTTGTGAGATTTGTCCAGGGCGGGCCCTGGCTGCTGCCAG
 CTCCTGCTGAAGAAGGAGACCAGGAAGCCACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207664 protein sequence
 Red=Cloning site Green=Tags(s)

MTSWRHDSL GASSSEPLPVV IINGP SGICLSYLLSGHIPYVKPGAVHPHPLLQRKLAEAPGVSILDQDL
 EYLSEGLEGRSQSPVALLFDALLRPD TDFGGSIDSVL SWKRQKDRAPHLVLRNLPGGAWHSIEGSMVT
 LSQGWMSLPDLQVKDWMRKKCRGLRNSRATAGDIAHYR DYVIKKGLSHNFVSGAVVTAWEWAKSEHGS
 PEVQASSPLFQVNGYLTKDHGHQPFSLRARNVVLATGTFD SPAMLGIPGETLPFVHDL SALEAALRAG
 TVNPTSDPVLIVGAGLSAADAVL FARHYNIQVIHAFRRSVHDPGLVFNQLPKMLYPEYHKVQMMRDQSI
 LSPSPYEGYRSLPEHQPLLFKEDHQA VFDPPQGGQ LFGVSMVLVLIGSHPDLSYLPRAGADLVIDPDQP
 LSPKRNPIDVDPF THESTHQEGLYALGPLAGDNFVRFVQGGALAAASSLLKKETRKP

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_027950

ORF Size: 1437 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_027950.2](#)
RefSeq Size: 1982 bp

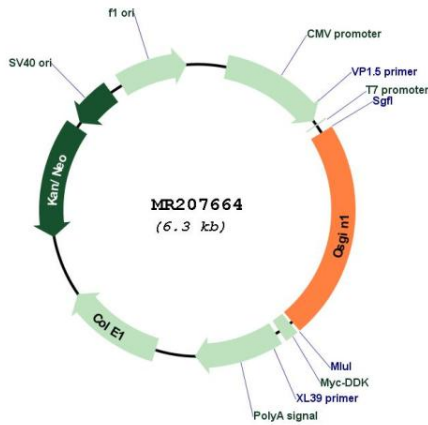
RefSeq ORF: 1437 bp

Locus ID: 71839

UniProt ID: [Q8VC10](#)

Cytogenetics: 8 E1
 MW: 52.2 kDa
 Gene Summary: Regulates the differentiation and proliferation through the regulation of cell death.
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207664