

## Product datasheet for **MG207664**

### Osgin1 (BC022135) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Osgin1 (BC022135) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Osgin1
Synonyms:	1700012B18Rik; Okl38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207664 representing BC022135  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCTCTGGAGGCACGACTCCCTTGGGGCCAGCAGCTCAGAGCCCCTCCAGTAGTCATCATCGGCA  
 ATGGCCCCCTCCGGTATCTGCCTGCCTACCTGCTCTCTGGACACATCCCCCTACGTGAAACCAGGAGCCGT  
 CCACCCACACCCCCTGCTGCAGAGAAAGCTGGCCGAGGCTCCAGGGTCTCCATCCTGGACCAGGACCTA  
 GAGTACCTTTCCGAAGGCCTCGAAGGCCGAAGCCAGAGTCTGTGGCCCTGCTCTTTGATGCCCTCTGC  
 GTCCTGACACAGACTTTGGAGGCAGCATAGACTCTGTGCTCTCCTGGAAGCGGCAGAAGGACCGCCTGT  
 TCCCCACCTTGTCTGGACGGAACCTCCCCGGGGCGCCTGGCATTCCATTGAAGGCTCCATGGTGACC  
 TTGAGCCAAGGCCAGTGGATGAGTCTCCAGACCTGCAGGTCAAAGACTGGATGCGGAAGAAATGCAGAG  
 GTCTCCGCAACAGCAGAGCCACAGCCGGTACATCGCCACTACTACCGGACTACGTGATCAAGAAAGG  
 CCTAAGTCACAACCTTTGTGTCTGGTGGCTGGTACTGCCGTGGAGTGGGCTAAGTCCGAGCATGGCAGT  
 CCCGAGGTCCAGGCATCCAGTCCCCTCTTCCAAGTGAATGGCTACTTGACTACCAAGGACCACGGCCACC  
 AGCCCTTCTCACTGCGGGCCCGTAATGTGGTCTGGCCACAGGCACCTTTGACAGCCCAGCCATGTAGG  
 CATCCCAGGAGAGACCCTGCCCTTTGTCCACCACGACCTGTCAGCCCTGGAGGCAGCCCTTCGGGACGGC  
 ACTGTGAACCCAACTCAGACCCGGTGTGATTGTGGGAGCAGGGCTATCTGCAGCCGATGCTGTCTCT  
 TTGCCCGTCACTACAACATCCAGGTGATCCATGCTTTCCGCCGGTCCGTGCATGACCCCGGCCTGGTATT  
 CAACAGCTGCCAAGATGCTATACCCTGAGTACCACAAAGTGCAGCAGATGATGCGCGATCAGTCCATC  
 TTGTCTCTAGCCCTATGAGGGCTACCGCAGCCTCCCTGAGCACCAGCCACTGCTCTTCAAAGAGGACC  
 ACCAAGCAGTGTCCAGGACCCACAGGGGGCCAGCAGCTCTTTGGGGTCTCCATGGTCTGGTCCCTCAT  
 TGGCTCCCACCCGACCTCTCCTACCTCCCAGGGCAGGTGCTGACTTGGTGCATAGACCCAGATCAGCCA  
 CTGAGTCCCAAGAGGAACCCATTGACGTGGACCCCTTACCCATGAGAGCACTACCAGGAGGGCTGT  
 ATGCCCTGGGGCCGTTGGCTGGGACAACCTTTGTGAGATTTGTCCAGGGCGGGCCCTGGCTGCTGCCAG  
 CTCCTGCTGAAGAAGGAGACCAGGAAGCCACCT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207664 representing BC022135  
 Red=Cloning site Green=Tags(s)

MTSWRHDSLGAASSEPLPVVVIIGNGPSGICLSYLLSGHIPYVKPGAVHHPHLLQRKLAEPVSIILDQDL  
 EYLSEGLEGRSQSPVALLFDALLRPDTEFGGSIDSVLSWKRQKDRAPHLVLRNLPGGAWHSIEGSMVT  
 LSQGWMSLPDLQVKDWMRKKCRGLRNSRATAGDIAHYRDRYVYIKKGLSHNFVSGAVVTAVEWAKSEHGS  
 PEVQASSPLFQVNGYLTKDHGHQPFSLRARNVVLATGTFDPSAMLGIPGETLPFVHDLSEALRAG  
 TVNPTSDPVLIVGAGLSAADAVLFAHYNIQVIHAFRRSVHDPGLVFNQLPKMLYPEYHKVQMMRDQSI  
 LSPSPYEGYRSLPEHQPLLFKEDHQAVFQDPQGGQQLFGVSMVLVLIGSHPDLSYLPRAGADLVIDPDQP  
 LSPKRNPIDVDPFTHESTHQEGLYALGPLAGDNFVRFVQGGALAAASSLLKKEKTRKPP

**TRTRPLE** – GFP Tag – V

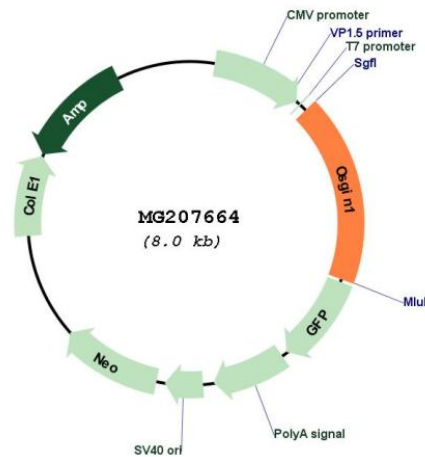
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC022135

ORF Size: 1436 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:** [BC022135](#), [AAH22135](#)

**RefSeq Size:** 1982 bp

**RefSeq ORF:** 1436 bp

**Locus ID:** 71839

**Cytogenetics:** 8 E1

**Gene Summary:** Regulates the differentiation and proliferation through the regulation of cell death.  
[UniProtKB/Swiss-Prot Function]