

Product datasheet for **MG207217**

Maneal (NM_001007573) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maneal (NM_001007573) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Maneal
Synonyms:	Gm50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207217 representing NM_001007573
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCGGGCGGGCGCCGCGCTGCATCGCCCTCTTCCTGGTGTCTCTTCGCCTTCGGCAGCTCA
 TGGGGCTGCGCACGCTCAAGGCCCGGACGGGCTGCCGGCGCTGGGCCAGGCCCGAACTAGCACCGTT
 CGAGAGCGTCCCGAGGGGAACCCGCGCCCGCCGCGCCCGGGTGCCTCCCGCGCGCCCGCCGCC
 CCGCCGCGCACCGCCCGCCCGCGCGCTCGCTGGGCCCGCCGAGGCCGATCCTGCGCCAGGCAGAGCC
 TGCAGCTACTCCGATCTGCATGCTTTTTACTATTCTGGTACGGGAGCCCGCGCGGAGGGCCACTA
 TATCCACTGGGACCATGTATGGTCCGCACTGGGACCCCAAGATCTCGGCCAGTTACCCGCGTGGCCGC
 CACAGCCCTCCAGATGACTTGGGCTCCAGCTTCTACCCGAGCTGGGGCCTTACAGCTCGCGGGACCCCG
 ACGTGCTACGAGACACATGACCCAGCTCAAAGAAGCTGCCATTGGAGTTTTGGTCTCTCTGTATCC
 ACCTGGCATGGCTGATGATAATGGAGAACCACAGATGACCTGGTACCTGCCATTCTGGACTGCCAT
 CAGTACAACATCCAGGTGGCCTTCATATCCAACCCTACAAGGGCCGGGATGACATCACTGTCCAGGACA
 ACATCAAGTACATCATTGACACGTATGGCTCCCACGGTGCATTCTACCGTTACAAGAATAGCATGGCAA
 GAGCCTCCCACTTTTTATCTACGACTCCTATCTGACATCCCCTGAGGCCTGGGCCACCTCCTGACA
 CAAATGGGCCTCACTCTATCCGCAACTCCCTATGATGGGGTCTTCATAGCTCTGCTCGTGGAGGAGA
 GCCACACCCACGACATCTCGCGCAGGATTCGACGGAATGTACACCTACTTTGCCTCCAATGGCTTCTC
 CTTTGGCTCTCCCATCAGAAGTGGAAAGCTGTGAAGAACTTCTGTGATACCAACAACCTGATGTTATC
 CCTAGCGTGGGGCCTGGGTACATTGATACCAGCATCCGGCCCTGGAACAACCACAATACTCGGAACCGGG
 TCAATGGCAAGTACTATGAGACAGCCCTGCAGGCAGCCCTGACTGTGAGGCCCGAGATAGTCTCTATCAC
 CTCTTCAATGAGTGGCAGGAGGCACACAGATTGAGAAAAGCTGTCCCAAGACGACGCCAACTCGCCTG
 TATCTGGACTACCTGCCTCACCAGTCCAGCCTGTATTTAGAGCTGACCCCGCGCTGGGCAGGACTTCA
 TCAAGGAAAAGGACAATGGCTGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207217 representing NM_001007573
 Red=Cloning site Green=Tags(s)

MARRRRRACIALFLVLLFAFGTLMGLRTLKAPDGLPALGPGPELAPFERRPEGNPAPARAPAAPAAPPPP
 PPRTAAPRASLGPAEADPAPRQSLRVYSDLHAFYYSWYGSPPREGHYIHWDHVMVPHWDPKISASYPRGR
 HSPPDDLGSFPYELGPYSSRDPDVLREHMTQLKEAAIGVLVLSWYPPGMADDNGEPTDDLVPAILDTH
 QYNIQVAFHIQPYKGRDDITVHDNIKYIIDTYGSHGAFYRYKNSMGKSLPLFYIYDSYLTSPAWAHLT
 QNGPHSIRNTPYDGVFIALLVEESHHDILAAGFDGMYTYFASNGFSFGSSHQNWKAVKNFCDTNLMFI
 PSVGPYIDTSIRPWNNHNRNRVNGKYYETALQAALTVRPEIVSITSFNEWHEGTQIEKAVPKTTPTRL
 YLDYLPHQSSLYLELTRRWAHFIIKEKEQWLM

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001007573

ORF Size: 1356 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_001007573.3](#)

RefSeq Size: 2751 bp

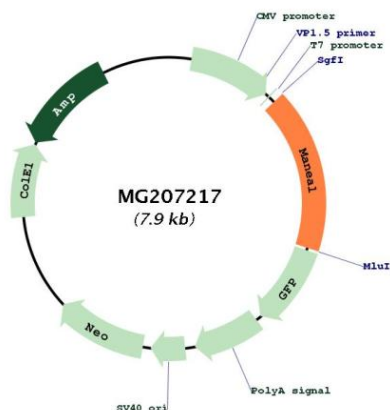
RefSeq ORF: 1359 bp

Locus ID: 215090

UniProt ID: [Q6P1J0](#)

Cytogenetics: 4 D2.2

Product images:



Circular map for MG207217