

Product datasheet for **MR207217**

Maneal (NM_001007573) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maneal (NM_001007573) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maneal
Synonyms:	Gm50
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207217 representing NM_001007573
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCGGGCGGGCGCCGCGCTGCATCGCCCTCTTCCTGGTGTCTCTTCGCCTTCGGCAGCTCA
 TGGGGCTGCGCACGCTCAAGGCCCGGACGGGCTGCCGGCGCTGGGCCAGGCCCGAACTAGCACCGTT
 CGAGAGCGTCCCGAGGGGAACCCGCGCCCGCCGCGCCCGGGTGCCTCCCGCGCGCCCGCCGCC
 CCGCCGCGCACCGCCCGCCCGCGCGCTCGCTGGGCCGCGGAGGCCGATCCTGCGCCAGGCAGAGCC
 TGCGCGTCTACTCCGATCTGCATGCTTTTTACTATTCTGGTACGGGAGCCCGCGCGGAGGGCCACTA
 TATCCACTGGGACCATGTATGGTCCGCACTGGGACCCCAAGATCTCGGCCAGTTACCCGCGTGGCCGC
 CACAGCCCTCCAGATGACTTGGGCTCCAGCTTCTACCCGAGCTGGGGCCTTACAGCTCGCGGGACCCCG
 ACGTGCTACGAGACACATGACCCAGCTCAAAGAAGCTGCCATTGGAGTTTTGGTCTCTCTGGTATCC
 ACCTGGCATGGCTGATGATAATGGAGAACCACAGATGACCTGGTACCTGCCATTCTGGACTGCCAT
 CAGTACAACATCCAGGTGGCCTTCATATCCAACCCTACAAGGGCCGGATGACATCACTGTCCACGACA
 ACATCAAGTACATCATTGACACGTATGGCTCCCACGGTGCATTCTACCGTTACAAGAATAGCATGGCAA
 GAGCCTCCCACTTTTTATCTACGACTCCTATCTGACATCCCCTGAGGCCCTGGGCCACCTCCTGACA
 CAAATGGGCCTCACTCTATCCGCAACTCCCTATGATGGGGTCTTCATAGCTCTGCTCGTGGAGGAGA
 GCCACACCACGACATCCTCGCGCAGGATTCGACGGAATGTACACCTACTTTGCCTCCAATGGCTTCTC
 CTTTGGCTCTCCCATCAGAAGTGGAAAGCTGTGAAGAACTTCTGTGATACCAACAACCTGATGTTATC
 CCTAGCGTGGGGCCTGGGTACATTGATACCAGCATCCGGCCCTGGAACAACCACAATACTCGGAACCGGG
 TCAATGGCAAGTACTATGAGACAGCCCTGCAGGCAGCCCTGACTGTGAGGCCGAGATCTCTATCAC
 CTCTTCAATGAGTGGCAGGAGGCACACAGATTGAGAAAAGCTGTCCCCAAGACGACGCCAACTCGCCTG
 TATCTGGACTACCTGCCTCACCAGTCCAGCCTGTATTTAGAGCTGACCCGCGCTGGGCAGAGCACTTCA
 TCAAGGAAAAGGAGCAATGGCTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207217 representing NM_001007573
 Red=Cloning site Green=Tags(s)

MARRRRRACIALFLVLLFAFGTLMGLRTLKAPDGLPALGPGPELAPFERRPEGNPAPARAPAAPAAPPPP
 PPRTAAPRASLGPAEADPAPRQSLRVYSDLHAFYYSWYGSPRREGHYIHWDHVMVPHWDPKISASYPRGR
 HSPPDDLGSFYPELGPYSSRDPDVLREHMTQLKEAAIGVLVLSWYPPGMADDNGEPTDDLVPAILDTAH
 QYNIQVAFHIQPYKGRDDITVHDNIKYIIDTYGSHGAFYRYKNSMGKSLPLFYIYDSYLTSPAWAHLT
 QNGPHSIRNTPYDGVFIALLVEESHDI LAAGFDGMYTYFASNGFSFGSSHQNWKA VKNFCDTNNLMFI
 PSVGPYIDTSIRPWNHNTRNRVNGKYYETALQAALTVRPEIVSITSFNEWHEGTQIEKAVPKTTPTRL
 YLDYLPHQSSLYLELTRRWAHF IKEKEQWLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9091_h12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

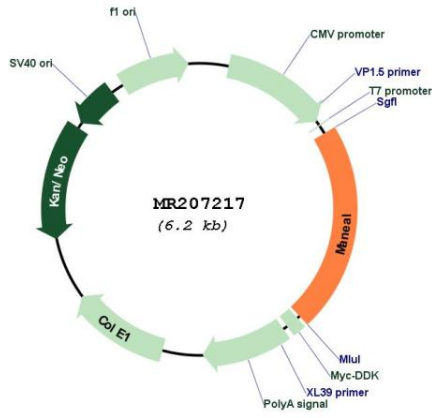
RefSeq ORF: 1359 bp

Locus ID: 215090

UniProt ID: [Q6P1J0](#)
Cytogenetics: 4 D2.2

MW: 51.1 kDa

Product images:



Circular map for MR207217