

Product datasheet for MR207002

Omg (NM_019409) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Omg (NM_019409) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Omg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR207002 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAATATCAGATACTGAAAAATGTCTTCCTGCCTGTTTCATCCTTCTGTTTCTCACGCCTGGCATCTTAT
GCATTTGTCTCTCCAGTGTACATGCACAGAGAGGCACAGGCATGTGGACTGTTTCAGGCAGAACTTGAC
TACATTACCACCTGGACTGCAGGAGAACATTATACATTTAAACCTGTCTTATAACCACTTACTGATCTG
CATAACCAGTTAACCCCATATACCAATCTGAGAACCCTGGATATTTCAAACAACAGGCTTGAAAGTCTGC
CTGCTCAGTTACCTCGGTCTCTCTGGAACATGTCTGCTGCTAACAACAATATTAACCTTTCGACAAATC
TGATACTGCTTATCAGTGAACCTTAAATACCTGGATGTTTCTAAGAATATGCTGGAAAAGTGTGTCTC
ATTAAAAATACCCTAAGAAGTCTCGAGGTCTTAACTCAGCAGTAACAAGCTTTGGACAGTTCCAACCA
ACATGCCTTCCAACTGCATATCGTGGACCTGTCTAATAACTCACTGACACAAATCCTTCCAGGGACATT
AATAAACCTGACAAATCTCACACATCTTACCTGCACAACAATAAATTCACATTCATTCCAGAACAGTCT
TTTGACCAACTTTTGCAGTTGCAAGAGATAACTCTTATAATAACAGGTGGTCTGTGACCATAAACAAA
ACATTACTTACTTATTGAAGTGGTGTATGGAAACGAAAGCCCATGTGATAGGGACTCCTTGTCTAAGCA
AGTATCCTCTCTAAAGGAACAGAGCATGTACCCACACCTCCTGGGTTTACCTCAAGCTTATTTACTATG
AGTGAGATGCAGACAGTGGACACCATTAACCTTTGAGTATGGTAACTCAACCCAAAGTGACCAAAACAC
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TGATAGGGCTGTGGTGGCTACCCAGAAGACACACCCACAGAAATGACCAATTCCATGAAGCAGCAGCT
GCAACTCTAACTATTCACCTCCAGGATGGAATGAGTTCAAATGCAAGCCTCACCAGTGAACAAAGTCAAC
CCCCAAGCCCCGTGACCTCAGCATAGCTCGTGGCATGCCAAATAACTTCTCTGAAATGCCTCGACAAAG
CACAACCTCACTTACGGAGGGAAGAAACCACTGCAAAATGGAACACTCGGCCACCTTCTGCGGCTAGT
GCTTGGAAAGTAAATGCCTCGCTCCTTTAATGCTCAATGCTGTGGTCTGCTGGCAGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



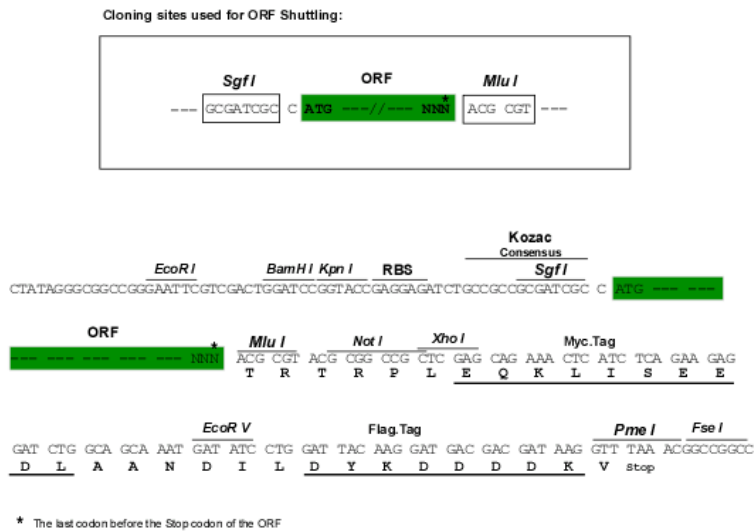
Protein Sequence: >MR207002 protein sequence
Red=Cloning site Green=Tags(s)

MEYQILKMSSCLFILLFLTPGILCICPLQCTCTERHRHVDCSGRNLTTLPPLQENI IHLNLSYNHFTDL
 HNQLTPYTNLRTLDISNNRLES LPAQLPRSLWNMSAANNNIKLLDKSDTAYQWNLKYLDVSKNMLEKVV
 IKNTLRSLLEVLNLSNKLWTVPTNMP SKLHIVDL SNNSLTQILPGTLINLTNLTHLYLHNNKFTF IPEQS
 FDQLQLQEITLHNNRWSCDHKQNI T YLLKWMETKAHVIGTPCSKQVSSLKEQSMYPTPPGFTSSLFTM
 SEMQTVDTINLSMVTQPKVTKPKQYRGETTFGVTLSKDTTFSSDRAVVAYPEDPTTEMTNSHEAAA
 ATLT IHLQDGMSSNASLTSATKSPSPVTL SIARGMPNNFSEMPRQSTTLNLRREETTANGNTRPPSAAS
 AWKVNASLLLMLNAVMLAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019409

ORF Size: 1323 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_019409.1](#), [NP_062282.1](#)

RefSeq Size: 2226 bp

RefSeq ORF: 1332 bp

Locus ID: 18377

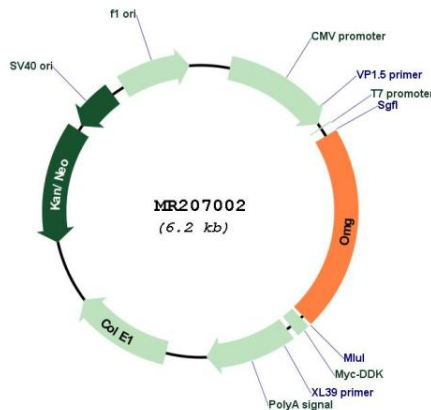
UniProt ID: [Q63912](#)

Cytogenetics: 11 46.79 cM

MW: 49.3 kDa

Gene Summary: Cell adhesion molecule contributing to the interactive process required for myelination in the central nervous system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207002