

## Product datasheet for **RN208826**

### Mog (NM\_022668) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mog (NM\_022668) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mog  
**Synonyms:** MGC105427  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208826 representing NM\_022668  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCGGTGTGTGGAGCCTTTCTCTGCCAGCTGCCTCCTGTCCCTGCTCCTCCTCCAGTTGTCAT  
GCAGCTACGCAGGACAGTTCAGAGTGATAGGGCCAGGGCATCCCATCCGGGCTTTAGTTGGGGATGAAGC  
AGAAGTCCCGTGCCGTATATCTCCTGGGAAGAATGCCACGGGCATGGAGGTGGGGTGGTACCGTTCTCCC  
TTTTCAAGAGTGGTTCATCTGTACCGAAATGGCAAGGACCAAGACGCAGAGCAAGCGCCTGAATACCGGG  
GACGCACAGAGCTTCTGAAAGAGTCTATCGGCGAGGGAAAGGTTGCCCTCAGGATCCAGAACGTGAGGTT  
CTCGGATGAAGGAGGCTACACATGCTTCTCAGAGACCACTCCTACCAAGAAGAAGCCGCGTGGAGTTG  
AAAGTAGAAGATCCCTTCTACTGGATCAACCCTGGCGTGTGGCTCTCATTGCCCTTGTGCCTATGCTGC  
TCCTGCAGGTCTCTGTAGGCCTTGATTCCTCCTCCTGCAGCACAGACTGAGAGGAAAACCCGTGCAGA  
AGTCGAGAATCTCCATCGGACTTTTGATCCTCACTTCTGAGAGTGCCCTGCTGGAAGATAACACTGTTT  
GTTATTGTCCTGTTCTTGGACCCCTGGTTGCTTTGATCATCTGCTACAAGTGGCTGCACCGAAGACTGG  
CAGGACAGTTTCTTGAAGAGCTAAGAAACCCCTTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022668  
**Insert Size:** 738 bp



[View online »](#)

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_022668.2](#), [NP\\_073159.2](#)

**RefSeq Size:** 1598 bp

**RefSeq ORF:** 738 bp

**Locus ID:** 24558

**Cytogenetics:** 20p12

**Gene Summary:** a component of compact myelin of the CNS; may be involved in myelin stability [RGD, Feb 2006]