

Product datasheet for **RN200558**

Maco1 (NM_001025699) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maco1 (NM_001025699) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Maco1
Synonyms:	MGC116145; Tmem57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN200558 representing NM_001025699
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAAGCGCGGAACCGCGACTGCAGTAAGCTCCGCCGCCCTGAAGCGGAACCGGATCACCGAGGGTA
 TCTACGGCAGTACCTTTTATACCTGAAATTCCTGGTAGTGTGGCACTTGCTCCTGGCCGACTTTGT
 CCTGGAGTTCCGATTTGAATACCTGTGGCATTGCTTTTTCATCAGAAGCGTCTATGATTCTTCAGA
 TACCAGGGACTGGCCTTCTCAGTATTTTTGTTGTGTAGCATTCAATATCATATGTCTCCTCT
 TCATTCCCATACAATGGCTTTTTTGTGCTAGCACATATGTATGGTCCAGTACGTATGGCACACAGA
 ACGGGGAGTGTGTTGCCTACAGTGTCCCTCTGGATACTTTGTTTATATTGAAGCCGCAATTAGATTT
 AAAGATCTGAAAAATTTTATGTAGACCTTTGTCGGCCATTGCTGCTCACTGTATTGGTACCCTGTGG
 TGACTTTGGCTTTGGCTTCAAAAGTTATGTAGCTACAAATGCGGTTAAGAAAGCAGAAGGAGGTTCA
 GAAGGAGAACGAGTTTACATGCAGCTTCTCAGCAGGCCCTCCCTCCAGAGCAGCAGATGTTGCAGAAG
 CAGGAGAAGGAGGCCGAGGAAGCAGCCAAAGGATTGCCGGACATGGACTCCTCGATCCTTATACACCACA
 ACGGAGGCATCCAGCCAAACAAAACTTTCCACAGCGTTGCCAGAGATAGAATATCGAGAAAAGGGGAA
 AGAGAAGGACAAGGATGCCAAGAAACACAACCTCGGAATAAATAACAACAACATTCTACAGCCTGTAGAC
 TCTAAGATACAAGAGATTGAGTATATGGAAAACCATATCAATAGTAAAAGATTAAACAATGTTCTTGTGG
 GAAGTACAGAAAATCTCTTAAAAGAGGACTCATGCACTGCTTCTCAAAAAATTACAAAAATGCCAGTGG
 AGTTGTGAACCTCTCGCTCGAAGTACAGCGCTACAAATGGAAGCATTCTTCTCGTCCAGTAAAAAC
 GAGAAGAAGCAGAGGTGCACAGCAAGGCCCGAGTGCACACAAGGACTTAATGGAGAAGTATTCTTA
 ACAACCGCTCAGCAACCCGACGCTCTGGTAAGGCTGGAACAAGATATTAAGAAAGCTAAAGGCTGACCT
 GCAAGCCAGCCGCAAGTGGAGCAAGAGCTGCGCAGTCAGATCAGCTCCCTCTCAAGCACAGAGCGAGGG
 ATCCGCTCAGAAATGGGCCAGCTCCGGCAGGAGAACGAGCTGCTGCAGAACAGCTACACAATGCTGTGC
 AAATGAAGCAAAAAGACAAAAGAACATCAGCCAGCTGGAGAAGAGGCTGAAAGCTGAGCAGGAGGCCCG
 AGGCTTTGTAGAAAAGCAGCTCATGGAGGAGAAAAAAGGAAGAAGCTAGAAGAAGCCACGGCTGCACGG
 GCTGTTGCCTTTGCTGCTGCATCTAGGGGAGAGTGCACCGAAACCTTACGGAGTCGGATCAGAGAGCTAG
 AAGCTGAGGGCAAGAAGCTCACAATGGACCTGAAGGTGAAGGAGGAGCAGATCAGGGAAGTGGAGCTGAA
 GGTGCAGGAGCTTCGGAAGTACAAAGAAAACGAGAAGGACACTGAGGTGTTGATGTCAGCCCTCTCTGCC
 ATGCAAGACAAAACGCAACACCTAGAGAACAGCCTCAGTCAGAGACGAGGATCAAGCTGGACCTGTTCT
 CTGCACTCGGTGATGCAAGCGGCAGCTCGAGATTGCCAGGGGCAATCCTTCAGAAAGACCAGGAAAT
 CAAGGACCTAAAACAGAAGATAGCTGAAGTCATGGCCGTCATGCCAGCATAACATACAGTGCCGCCACC
 AGTCCCCTGAGCCCTGTGTCCCCCACTACTCTTCCAAGTTTGTGGAGACCAGCCCTCTGGACTTGATC
 CTAATGCCTCTGTCTATCAGCCCTGAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001025699

Insert Size: 1995 bp

OTI Disclaimer: 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:	<u>NM_001025699.2, NP_001020870.2</u>
RefSeq Size:	3432 bp
RefSeq ORF:	1995 bp
Locus ID:	313618
UniProt ID:	<u>Q4V7D3</u>
Cytogenetics:	5q36
Gene Summary:	Plays a role in the regulation of neuronal activity.[UniProtKB/Swiss-Prot Function]