

## Product datasheet for **RN213935**

### Marco (NM\_001109011) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Marco (NM_001109011) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Marco
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213935 representing NM\_001109011  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGAAGTAAAGAAACCCTCAAGGAGGAAGCCTTCTTGGGCAGCACAGAAGACGGAGCCGACTTTGACC  
 AAGACATGCTCCCTGTGATGGAGACCTTTGAAATCAATGATCCGGTGCCCAAGAAGAGAAATGGAAGGAC  
 CTTGTGCATGGCAGTCATGGCCATCCACCTGATTCTGCTCACAGCAGGACTGCCCTGCTGCTGATTCAA  
 GTTCTCAATCTGCAGGAGCAGTTCAGAGCCTAGAGATGTGTTGTGACAAATGGAACACTAGCTGCTGAGG  
 ACAAGCCATTCTCTCTGTCAGTGGGCACGTCCAAAACACACATAGTATCAGGAGCACAGGGGCTGCA  
 AGCCTTGACGGCCAGCTTAGCTGGGTCCACACCAGCCAGGAGCAACTGCGTCAGCAAGTTGACAACCTC  
 ACTCAAAATCCAGAGTTGTTCCGGATTAAGGTGAACGAGGCTCTCCAGGTCCAAAAGGGGCCCCGGGGC  
 CACCGGGAATCCAGGCCTGCCTGGGCCATCTGCTGCGAAGGGAGAAAAGGGGGCTGCGGGTCTGTACGG  
 AACTCCAGGTGTCCGAGGACCCAGGGCCACCAGGCACCAAGGGAGAGGCAGGCCTCCAGGGATTACG  
 GGTGCACCAGGGAAGCAAGGAGCAGATGGTGCTCCAGGGCCTCAAGGAGAAAAGGGCAGCAAAGGTGACA  
 AAGGTCTCACTGGCCCCAAGGGGAACACGGCACCAAGGGGGACAAGGGGACCTAGGCCTTCCAGGAAG  
 CAAAGGGGACACGGGCATGAAGGGAGACAGGGGGTACGCGGGTCCCCTGGAGCCAGGGAAATAAAGGC  
 GATGCTGGAAAACCAGGCCTACCAGGTTTGGCTGGATCTCCTGGAGCCAAAGGTGATCAAGGAAAATTG  
 GAGTGCAGGGTCTCCAGGCCCTCTGGTGCACCAGGACAATCAGGTGCCAAGGGTGAGCCGGGGCGCAC  
 TGGTCTCCTGGGCCAACAGGACCCCAAGGATTGCCGGTAATCCAGGGGCTGCAGGTTTGAAGGAAGC  
 AAGGGGGACATAGGAATCAAGGACAGAAAGGCACAAAAGGAGAATCAGGAGTCCAGGCTTTGTAGGCA  
 GAAAGGGAGACACTGGAAGCCCTGGGCTGGCAGGCCCAAGGAGAACCCTGGACGAGCCGGTCTGAAGGG  
 AGAACCTGGGATGAAAGGTCTTCTGGCCAGCAAGGACAAAAGGGAGAAAAGGTCAAAAAGGCGATTTTC  
 AACCTGGTTGTCCGATCGTGGGCGCACACAGCAGAGGCCGAGCTGAAGTTTACTATAACATGTCTGGG  
 GGACAATTTGCGATGATGGTTGGGATAATAACGATGCCACTGTCTTCTGCCGCATGCTCGGTTACTCCAG  
 CGGGAGGGGACTTGGCAGCTTTGGAGGTGGCACTGGGAAGATCTGGCTGGATGATGTGAGTTGTCTGGG  
 ACAGAGGCCACTTTGTGGGACTGCAGGAAGAGCTCCTGGGGCTCTACAATTGCAACCATAATGAAGATG  
 CAGGAGTGAATGCCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001109011

**Insert Size:** 1560 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:** [NM\\_001109011.1](#), [NP\\_001102481.1](#)

**RefSeq Size:** 1979 bp

**RefSeq ORF:** 1560 bp

**Locus ID:** 367391

**Cytogenetics:** 16q12.5