

## Product datasheet for **MC217282**

### Marco (NM\_010766) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Marco (NM_010766) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Marco
Synonyms:	AI323439; Ly112; Scara2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC217282 representing NM\_010766  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAGTAAAGAAGTCTCAAGAGGAAGACTTCTTGGCAGCACAGAAGACAGAGCCGATTTTGACC  
AAGCTATGTTCCCTGTGATGGAGACCTTCGAAATCAATGATCCAGTGCCCAAGAAGAGAAATGGGGGAC  
CTTCTGCATGGCAGTCATGGCCATCCACCTGATCCTGCTCACGGCAGGACTGCACTGCTGCTGATTCAA  
GTTCTCAATCTGCAGGAGCAGCTCCAGATGCTAGAGATGTGCTGTGGCAATGGATCACTAGCTATCGAGG  
ACAAGCCCTTCTTCTCGCTGCAGTGGGCACCCAAAACACACCTGGTACCTAGAGCACAGGGGCTGCAAGC  
CTTGCAGGCCAGCTCAGCTGGTCCATACCAGCCAGGAGCAACTCCGTCAGCAGTTCAACAACCTCACT  
CAAAATCCAGAGTTGTTCCAGATTAAGGTGAACGAGGCTCTCCAGGTCCAAAAGGGGCCCGGGTCTC  
CTGGAATCCCGGGCTGCCTGGCCAGCTGCTGAGAAGGGAGAAAAGGGGCTCAGGTCGTGATGGAAC  
CCCAGGTGTTCAAGGACCCAGGGCCACCAGGCAGCAAGGGAGAGGCAGGCCTCCAGGGACTTACGGGT  
GCACCAGGAAGCAAGGAGCAACTGGTGTCCAGGACCTCGAGGAGAGAAGGGCAGCAAAGGTGACATAG  
GTCTCACTGGCCCAAGGGGGAACATGGACCAAGGGAGACAAAGGGGACCTAGGCCTTCCAGGAAACAA  
AGGGGACATGGGCATGAAGGGAGACACGGGGCCATGGGGTCCCCTGGAGCTCAGGGAGGTAAGGTGAT  
GCTGGAAAACAGGCCTACCAGGTTTGGCTGGATCTCCAGGAGTCAAAGGTGACCAAGGAAAACCTGGAG  
TGCAGGGTGTCCAGGCCTCAAGGTGCACCAGGACTTTCAGGTGCCAAGGGTGAGCCAGGACGCACTGG  
TCTTCTGGGCCAGCAGGACCCCGGAATTGCTGGGAATCCAGGGATTGCAAGGTGTGAAAGGAAGCAAG  
GGTGACACAGGAATTCAAGGACAGAAAGGCACAAAAGGAGAATCAGGAGTCCCAGGCTTTGTAGGCAGAA  
AGGGAGACACTGGAAGCCCTGGGCTGGCAGTCCCAAAGGAGAACCTGGACGAGTCGGTCAGAAGGGAGA  
CCCGGGGATGAAAGGGTCTTCTGGCCAGCAAGGACAAAAGGGAGAAAAGGGTCAAAAAGGCGAATCTTTC  
CAACGCGTCCGGATCATGGTGGCACCAACAGAGGCCGAGCTGAAGTTTACTATAACAATGAGTGGGGGA  
CAATTTGTGATGATGATTGGGATAATAATGATGCGACTGTCTTCTGTCGCATGCTCGTTACTCCAGAGG  
GAGAGCACTTAGCAGCTATGGAGGTGGCTCTGGGAACATCTGGCTGGACAATGTGAATTGTCGGGGCACA  
GAGAACAGTTTGTGGGACTGCAGTAAGAACTCTGGGGCAATCACAATTGCGTACATAATGAAGATGCGG  
GTGTGGAATGCTCCTGAAGCGGACCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3749\\_f01.zip](https://cdn.origene.com/chromatograms/ja3749_f01.zip)

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_010766

**Insert Size:** 1566 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\\_010766.2](#), [NP\\_034896.1](#)

**RefSeq Size:** 1985 bp

**RefSeq ORF:** 1557 bp

**Locus ID:** 17167

**UniProt ID:** [Q60754](#)

**Cytogenetics:** 1 E2.3

**Gene Summary:** Pattern recognition receptor (PRR) which binds Gram-positive and Gram-negative bacteria (PubMed:7867067). Also plays a role in binding of unopsonized particles by alveolar macrophages (By similarity). Binds to the secretoglobin SCGB3A2 (By similarity). [UniProtKB/Swiss-Prot Function]