

## Product datasheet for **RN200300**

### **Mcam (NM\_023983) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mcam (NM_023983) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcam
Synonyms:	CD146; Muc18
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN200300 representing NM\_023983  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCTGCCAGGCTGGTCTGCGCCTTCTTATTCGCTGCCTGTGCTGTGCTGTCGACGCGCCACGGGTG  
 TGCCAGGAGAGGAAAAGCAGCCACACCCACGCCGACCCGGTGGAGGTAGAAAGTGGGCAACACGGCCCT  
 TCTGAAGTGTGGCCCCGCACATCCCTCAGGCAACTTCAGCCAAGTGAATGGTTTTTATTGATCACAAGGAG  
 AGGCAGATACCCATTTTCCGTGTGCACAGGGCAAGGGCCAGAGTGAACCTGGGGAATATGAACACCGCC  
 TCAGCCTCCACGGCCAGGAGCTACTCTGGCCCTGAGTCAAGTCACTCCCATGATGATCGGATGTTCT  
 GTGTAAGAGCAAGCAGCCACGGCCAGGATCACTATGTTCAAGTCTACAAGGCTCCAGAGGAG  
 CCAACTATCCAAGCCAACGTGCTGGGCATCCACGTGGACATAACAAGAGCTTAAGGAGGTTGCTACCTGTG  
 TGGGGAGGAATGGCTACCCATTCTCAAGTCATCTGGTACAAGAATGGCCGGCCCTTGAAGAGGAGGA  
 GAACCGCTTCATATCCAGTCGTACAGACCGTGGAGTCCAGTGGCTTGTACACCTTGAAGAGTGTCTA  
 AGTGCACGGCTAGTCAAGGAGGACAAAGATGCCAGTTTTACTGTGAACCTAGCTACCGCTGCCAGTG  
 GGAACCGCATGAAGGAATCTAAGGAGGTCACTGTCCTGTCTTATACCCTGCAGAAAAAGTGGGTGGA  
 GGTAGAACCCGTGGGACTGCTGAAGGAAGGGGACCATGTGAAGATCAGGTGTCTGACTGACGGCAACCCCT  
 CAACCCCACTTCACTATCAACAAGAAGAACCCAGCACTGAGGAGATGGAAGAGGAAAGCACCGATGAAA  
 ACGGTCTCCTGTCTTGGAGCCCGCCAGAAGCACACAGTGGGGTCTACCAATGTCAGAGCCTAGACTT  
 GGAAACTACAGTTATGCTGTGAGTACCCCTGGAGTGTGGTGAACATGTGTCTGATGTTCAAGTG  
 GATCCAAGTCCCCTGAAGTCCAGGAAGGTGATAGCCTCACACTGACCTGAAGGAGAGAGTAACCAGG  
 ACCTTGAGTTTGAAGTGGCTGAGAGACAAGACAGGCCAGCTTCTGGGAAAGGGGCCATCCTCAGCTAAA  
 CAACGTGAAAAGGGAAGCAGGGGAAGATATCTCTGTGTGGCATCTGTCCCAGCGTTCTGGCTTGAAT  
 CGCACACGGCGGGTACGGTGGGCAATTTTGGTCCCGTGGATGGCAGCAAAGGAGAGGAAGGTGTGGG  
 CGCAAGAGAATGCAATGCTGAATCTGTCTTGTGAGGCTTACAGCCATCCTCAGCCACCATCTCCTGGAA  
 TATCAATGGCTCGGCAACTGAATGGAACCCAGATCCTCAGACAGTGTGAGCACCTTGAATGTCCTTGTG  
 ACCCCAGAGCTTCTGGAGACCGGTGCAGAAATGTACAGCCTCCAACCTCCCTGGGCTCAAACACCACGGTCA  
 TCATTCTGAAGCTCGTCACTTTAACCCCTCACACCTGACTCCAGCCAAACCACTGGCCTCAGACCCC  
 CACAGTCAGTCTCACAGCAGAGCCAACAGCACCTCCACAGAGAAAAAGCTGCCACAGCAGGAGAGCAAA  
 GGTGTGGTCACTGTGATAGTATGTACGCTGGTGTGCTGTACTGGGCGCTACCCTCTATTACT  
 TCTACAAGAAGGCAAACTGCCTTGTGGAGCTCAGGAAAACAGGAGATCACGCTGCCCCCGACTCGTAA  
 GAGTGAATTTGTAGTTGAAGTTAAGTCAGATAAGCTCCAGAAAGAGATGGCTCTCCTTACAGGCAGCAAC  
 GGTGACAAGAGGGCTCCAGGAGACCAGGGAGAGAAATACATCGATCTGAGGCATT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_023983
- Insert Size:** 1947 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\\_023983.3](#), [NP\\_076473.2](#)

**RefSeq Size:** 2933 bp

**RefSeq ORF:** 1947 bp

**Locus ID:** 78967

**UniProt ID:** [Q9EPF2](#)

**Cytogenetics:** 8q22

**Gene Summary:** may act as a cell adhesion molecule; may play a role in tumor growth and invasion [RGD, Feb 2006]