

## Product datasheet for **MR203408**

### Emcn (NM\_001163522) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Emcn (NM_001163522) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Emcn
Synonyms:	0610012K22Rik; AI315669; Muc14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203408 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGGCTGCTTCAAGCGACTGTTCTTTTCTTCTTTGTCCAACAGTCTCTGCCACAGTGAGGACGGCA  
AAGATGTTTCAGAATGACTCTATTCACACACCGGCAGAACTTCCACAACAAAAGCCTCTGTCACAATACC  
AGGCATCGTGTCAGTGACAAATCCTAACAAACCAGCAGATGGAACACCTCCCGAAGGAACGACCAAAAGT  
GACGTATCCCAAACATCTTTGGTGACAACAATTAATTCAGTACCAACACCAAAACATGAAGTGGGAACAA  
CAACTGAAGGTCCCTAAGGAATGAAAGTCCACTATGAAAATAACAGTGCCAAATACTCCAACCTCAA  
TGCTAATTCACGCTACCAGTTCCAGAACAAAGACTGAGAATCAGAGTTCAATCAGAACAACGGAATA  
TCAGTTACTACTCAACTACTGGATGCCTTGCCGAAAATCACTGCAACATCCTCTGCATCTCTAACAACTG  
CACACCCATGTCAGTCTTCAAGATACTGAGGATAGGAAGATTGCAACCACTCCATCAACCACCCCTC  
CTATTCAGTATCATTGCTGTGGTTATCGCGCTGGTTGTTATAACACTCTTGGTATTTACTCTGGTG  
GGTTTGTATCGAATATGCTGGAAGAGAGACCCAGGCACTCCAGAAAACGGAAATGATCAGCCTCAGTCCG  
ATAAAGAGAGTGTGAAGCTGCTCACTGTTAAGACAATCTCTCATGAGTCTGGCGAACACTCTGCACAGG  
GAAAACCAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR203408 protein sequence  
Red=Cloning site Green=Tags(s)

MRLQATVLFLLSNLCHSEDKDQVQNDIPTPAETSTTKASVTIPGIVSVTNPKNPADGTPPEGTTKS  
 DVSQTSLSLVTINSLTPKHEVGTTEGPLRNESSTMKITVPNTPTSNANSTLPGSQNKTENQSSIRTEI  
 SVTTQLLDALPKITATSSASLTAHTMSLLQDTEDRKIATPSTTPSYSSIIILPVVIALVVITLLVFTLV  
 GLYRICWKRDPGTPENGNDQPQSDKESVKLLTVKTI SHESGEHSAQGKTKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001163522

**ORF Size:** 786 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001163522.1](#), [NP\\_001156994.1](#)

**RefSeq Size:** 1476 bp

**RefSeq ORF:** 786 bp

**Locus ID:** 59308

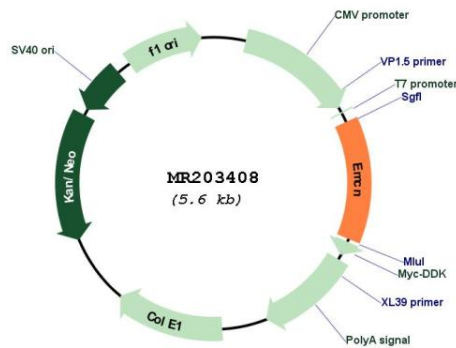
**UniProt ID:** [Q9R0H2](#)

**Cytogenetics:** 3 G3

**MW:** 27.8 kDa

**Gene Summary:** Endothelial sialomucin, also called endomucin or mucin-like sialoglycoprotein, which interferes with the assembly of focal adhesion complexes and inhibits interaction between cells and the extracellular matrix.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203408