

## Product datasheet for MR225921

### Emcn (NM\_016885) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Emcn (NM\_016885) 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:** >MR225921 representing NM\_016885  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGGCTGCTTCAAGCGACTGTTCTTTTCTTCTTTTGTCCAACAGTCTCTGCCACAGTGAGGACGGCA  
 AAGATGTTGAGAATGACTCTATTCCAACACCGGCAGAACTTCCACAACAAAAGCCTCTGTCACAATACC  
 AGGCATCGTGTCAGTGACAAATCCTAACAAACCAGCAGATGGAACACCTCCCGAAGGAACGACAAAAGT  
 GACGTATCCAAACATCTTTGGTGACAACAATTAATTCAGTACCAACACCAAAACATGAAGTGGGAACAA  
 CAACTGAAGGTCCCTAAGGAATGAAAGTCCACTATGAAAATAACAGTGCCAAATACTCCAACCTCAA  
 TGCTAATTC AACGCTACCAGTTCCAGAACAGATTACTACTCAACTACTGGATGCCTTGCCGAAAATC  
 ACTGCAACATCCTCTGCATCTCTAACAACTGCACACCATGTCAGTCTTCAAGATACTGAGGATAGGA  
 AGATTGCAACCACTCCATCAACCACCCCTCTATTCCAGTATCATTTTGCCTGTGGTTATCGCGCTGGT  
 TGTTATAACACTCTTGGTATTTACTCTGGTGGGTTTGTATCGAATATGCTGGAAGAGAGACCCAGGCACT  
 CCAGAAAACGAAATGATCAGCCTCAGTCCGATAAAGAGAGTGTGAAGCTGCTCACTGTAAAGACAATCT  
 CTCATGAGTCTGGCGAACACTCTGCACAGGGGAAAACCAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR225921 representing NM\_016885  
Red=Cloning site Green=Tags(s)

MRLAQATVLFLLSNLCHSEDKDQVQNDIPTPAETSTTKASVTIPGIVSVTNPKNPADGTPPEGTTKS  
 DVSQTSLVTTINSLTPKHEVGTTEGPLRNESSTMKITVPNTPTSNANSTLPGSQNKITTQLLDALPKI  
 TATSSASLTTAHTMSLLQDTEDRKIATTPSTTPSYSSIIILPVVIALVVITLLVFTLVGLYRICWKRDPGT  
 PENGNDQPQSDKESVLLTVKTI SHESGEHSAQ GKTKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9030\\_h01.zip](https://cdn.origene.com/chromatograms/mm9030_h01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_016885

**ORF Size:** 744 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\\_016885.2](#), [NP\\_058581.2](#)

**RefSeq Size:** 1437 bp

**RefSeq ORF:** 747 bp

**Locus ID:** 59308

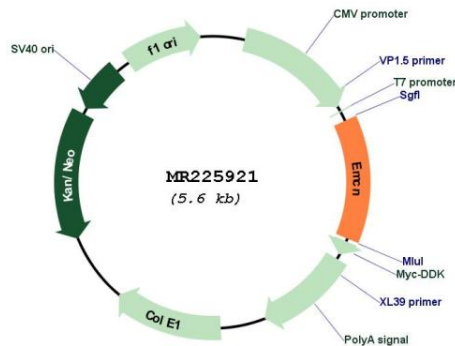
**UniProt ID:** [Q9R0H2](#)

**Cytogenetics:** 3 G3

**MW:** 26.8 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 MR225921