

## Product datasheet for **MG225921**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Emcn (NM\_016885) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Emcn  
**Synonyms:** 0610012K22Rik; AI315669; Muc14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG225921 representing NM\_016885  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGGCTGCTTCAAGCGACTGTTCTTTTCTTCTTTTGTCCAACAGTCTCTGCCACAGTGAGGACGGCA  
AAGATGTTCAGAATGACTCTATTCCAACACCGGCAGAACTTCCACAACAAAAGCCTCTGTCACAATACC  
AGGCATCGTGTCAGTGACAAATCCTAACAAACCAGCAGATGGAACACCTCCCGAAGGAACGACAAAAGT  
GACGTATCCAAACATCTTTGGTGACAACAATTAATTCAGTACCAACACCAAAACATGAAGTGGGAACAA  
CAACTGAAGGTCCCTAAGGAATGAAAGTCCACTATGAAAATAACAGTGCCAAACTCAACTTCAAA  
TGCTAATTC AACGCTACCAGTTCCAGAACAGATTACTACTCAACTACTGGATGCCTTGCCGAAAATC  
ACTGCAACATCCTCTGCATCTCTAACAACTGCACACCATGTCAGTCTTCAAGATACTGAGGATAGGA  
AGATTGCAACCACTCCATCAACCACCCCTCCTATTCCAGTATCATTTTGCCTGTGGTTATCGCGCTGGT  
TGTTATAACACTCTTGGTATTTACTCTGGTGGGTTTGTATCGAATATGCTGGAAGAGAGACCCAGGCACT  
CCAGAAAACGAAATGATCAGCCTCAGTCCGATAAAGAGAGTGTGAAGCTGCTCACTGTTAAGACAATCT  
CTCATGAGTCTGGCGAACACTCTGCACAGGGGAAAACCAAGAAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG225921 representing NM\_016885  
 Red=Cloning site Green=Tags(s)

MRLQATVLFLLSNLCHSEDKVDQNDIPTPAETSTTKASVTIPGIVSVTNPKNPADGTPPEGTTKS  
 DVSQTSVLVTTINSLTPKHEVGTTEGPLRNESSTMKITVPNTPTSNANSTLPGSQNKITTQLLDALPKI  
 TATSSASLTTAHTMSLLQDTEDRKIATTPSTTPSYSSIIILPVVIALVVITLLVFTLVGLYRICWKRDPGT  
 PENGNDQPQSDKESVKLLTVKTI SHESGEHSAQGKTKN

TRTRPLE - GFP Tag - V

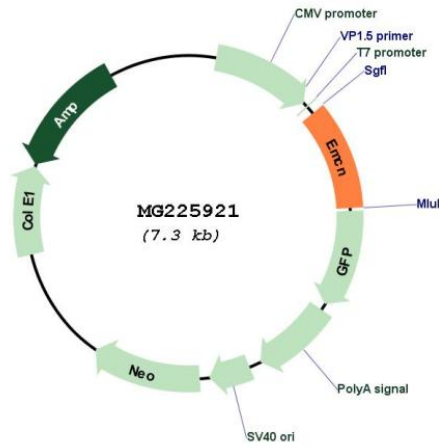
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_016885

**ORF Size:** 744 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016885.2</a> , <a href="#">NP_058581.2</a>
<b>RefSeq Size:</b>	1437 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	59308
<b>UniProt ID:</b>	<a href="#">Q9R0H2</a>
<b>Cytogenetics:</b>	3 G3
<b>Gene Summary:</b>	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]