

Product datasheet for **MG203408**

Emcn (BC003706) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Emcn (BC003706) 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:	>MG203408 representing BC003706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCTGCTTCAAGCGACTGTTCTTTTCTTCTTTGTCCAACAGTCTCTGCCACAGTGAGGACGGCA
AAGATGTTCAGAATGACTCTATTCCAACACCGGCAGAACTTCCACAACAAAAGCCTCTGTCACAATACC
AGGCATCGTGTCAGTGACAAATCCTAACAAACCAGCAGATGGAACACCTCCCGAAGGAACGACCAAAAGT
GACGTATCCCAAACATCTTTGGTGACAACAATTAATTCAGTACCAACACCAAAACATGAAGTGGGAACAA
CAACTGAAGGTCCCTAAGGAATGAAAGTCCACTATGAAAATAACAGTGCCAAATACTCCAACCTCAA
TGCTAATTC AACGCTACCAGTTCCAGAACAAAGACTGAGAATCAGAGTTCAATCAGAACAACGGAATA
TCAGTTACTACTCAACTACTGGATGCCTTGCCGAAAATCACTGCAACATCCTCTGCATCTCTAACAACTG
CACACCCATGTCACTGCTTCAAGATACTGAGGATAGGAAGATTGCAACCACTCCATCAACCACCCCTC
CTATTCAGTATCATTGCTGTGGTTATCGCGCTGGTTGTTATAACACTCTTGGTATTTACTCTGGTG
GGTTTGTATCGAATATGCTGGAAGAGAGACCCAGGCACTCCAGAAAACGGAAATGATCAGCCTCAGTCCG
ATAAAGAGAGTGTGAAGCTGCTCACTGTTAAGACAATCTCTCATGAGTCTGGCGAACACTCTGCACAGGG
GAAAACCAAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203408 representing BC003706
Red=Cloning site Green=Tags(s)

MRLQATVLFLLSNLCHSEDKDQVQNDIPTPAETSTTKASVTIPGIVSVTNPKNKPADGTPPEGTTKS
 DVSQTSVLVTTINSLTPKHEVGTTEGPLRNESSTMKITVPNTPTSNANSTLPGSQNKTENQSSIRTEI
 SVTTQLLDALPKITATSSASLTTAHTMSLLQDTEDRKIATTPSTTPSYSSIILPVVIALVVITLLVFTLV
 GLYRICWKRDPGTPENGNDQPQSDKESVKLLTVKTI SHESGEHSAQGKTKN

TRTRPLE - GFP Tag - V

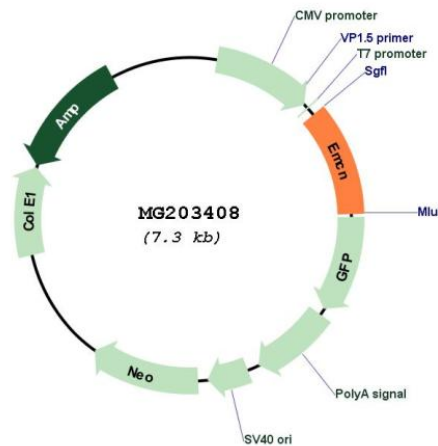
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC003706

ORF Size: 785 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:	<ol style="list-style-type: none">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:	BC003706 , AAH03706
RefSeq Size:	1437 bp
RefSeq ORF:	785 bp
Locus ID:	59308
Cytogenetics:	3 G3
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]