

Product datasheet for **RG215698**

Endomucin (EMCN) (NM_016242) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Endomucin
Synonyms:	EMCN2; MUC14
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215698 representing NM_016242
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGTCTTCAAGTGACCATCTTTTTCTTCTGCCAGTATTTGCAGCAGTAACAGCACAGGTGTTT
TAGAGGCAGCTAATAATCACTTGTGTACTACAACAAAACCATCTATAACAACACCAACACAGAATC
ATTACAGAAAAATGTTGTACACCAACAACCTGGAACAACCTCTAAAGGAACAATCACCAATGAATTACTT
AAAATGCTCTGATGTCAACAGCTACTTTTTAACAAGTAAAGATGAAGGATTGAAAGCCACAACCACTG
ATGTCAGGAAGAATGACTCCATCTTTCAAACGTAACAGTAACAAGTGTACACTTCCAAATGCTGTTTC
AACATTACAAAGTTCCAAACCAAGACTGAACTCAGAGTTCAATTAACAAACAGAAATACCAGGTAGT
GTTCTACAACAGATGCATCACCTTCTAAACTGGTACATTAACCTCAATACCAGTTACAATTCAGAAA
ACACCTCACAGTCTCAAGTAATAGGCACTGAGGGTGGAAAAATGCAAGCACTTCAGCAACCAAGCCGGTC
TTATTCCAGTATTATTTGCCGGTGGTTATTGCTTTGATTGTAATAACACTTTTCAGTATTTGTTCTGGTG
GGTTTGTACCGAATGTGCTGGAAGGCAGATCCGGGCACACCAGAAAATGAAATGATCAACCTCAGTCTG
ATAAAGAGAGCGTGAAGCTTCTACCGTTAAGACAATTTCTCATGAGTCTGGTGAGCACTCTGCACAAGG
AAAAACCAAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



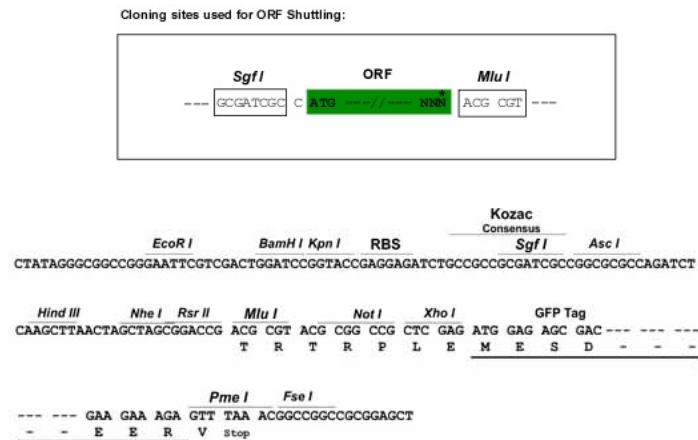
Protein Sequence: >RG215698 representing NM_016242
Red=Cloning site Green=Tags(s)

MELLQVTILFLLPSICSSNSTGVLEAANSLVTTTKPSITTPNTESLQKNVVTPTTGTPKGTITNELL
KMSLMSTATFLTSKDEGLKATTTDVRKNDISIISNVTVSVTL PNAVSTLQSSPKKTETQSSIKTTEIPGS
VLQPDASPSKTGTLTSIPVTIPENTSQSQVIGTEGGKNASTSATRSYSSIILPVVIALIVITLSVFLV
GLYRMCWKADPGTPENGNDQPQSDKESVKLLTVKTISHESGEHSAQGKTKN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016242

ORF Size: 783 bp

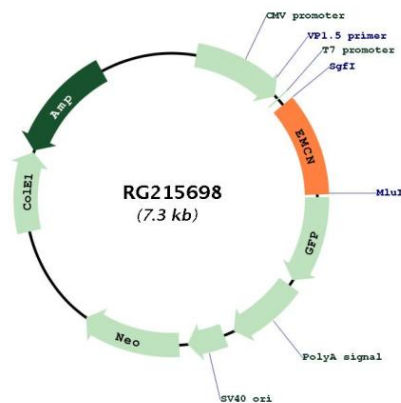
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_016242.4</u>
RefSeq Size:	1488 bp
RefSeq ORF:	786 bp
Locus ID:	51705
UniProt ID:	<u>Q9ULC0</u>
Cytogenetics:	4q24
Protein Families:	Transmembrane
Gene Summary:	EMCN is a mucin-like sialoglycoprotein that interferes with the assembly of focal adhesion complexes and inhibits interaction between cells and the extracellular matrix (Kinoshita et al., 2001 [PubMed 11418125]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG215698