

Product datasheet for **RG228179**

Endomucin (EMCN) (NM_001159694) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Endomucin (EMCN) (NM_001159694) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | EMCN |
| Synonyms: | EMCN2; MUC14 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG228179 representing NM_001159694 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTGGTCAAGTGACCAATCTTTTTCTTCTGCCAGTATTTGCAGCAGTAACAGCACAGGTGTTT
TAGAGGCAGCTAATAATTCACCTGTTGTTACTACAACAAAACCATCTATAACAACACCAAACACAGAATC
ATTACAGAAAAATGTTGTCACACCAACAACTGGAACAACCTCTAAAGGAACAATCACCAATGAATTACTT
AAAATGTCTCTGATGTCAACAGCTACTTTTTTAACAAGTAAAGATGAAGGATTGAAAGCCACAACCACTG
ATGTCAGGAAGAATGACTCCATCATTTCAAACGTAACAGTAACAAGTGTACACTTCCAAATGCTGTTTC
AACATTACAAAGTTCCAAACCAAGAGTAGTGTCTACAACCAGATGCATCACCTTCTAAAACCTGGTACA
TTAACCTCAATACCAGTTACAATTCCAGAAAACACCTCACAGTCTCAAGTAATAGGCACTGAGGGTGGAA
AAAATGCAAGCACTTCAGCAACCAGCCGGTCTTATTCCAGTATTATTTGCCGGTGGTTATTGCTTTGAT
TGTAATAACACTTTCAGTATTTGTTCTGGTGGGTTGTACCGAATGTGCTGGAAGGCAGATCCGGGCACA
CCAGAAAATGAAATGATCAACCTCAGTCTGATAAAGAGAGCGTGAAGCTTCTTACCGTTAAGACAATTT
CTCATGAGTCTGGTGAGCACTCTGCACAAGGAAAAACCAAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228179 representing NM_001159694
Red=Cloning site Green=Tags(s)

MELLQVTILFLLPSICSSNSTGVLEAANNSLVVTTTKPSITTPNTESLQKNVVTPTTGTPKGTITNELL
 KMSLMSTATFLTskDEGLKATTTDVRKNDISIISNVTVTSVTLpNAVSTLQSSKPKSSVLQPDASPSKTGT
 LTSIPVTIPENTSQSQVIGTEGGKNASTSATSRSYSSIIILPVVIALIVITLSVFVLVGLYRMCWKADPGT
 PENGNDQPQSDKESVKLLTVKTIshESGEHSAQGKTKN

TRTRPLE - GFP Tag - V

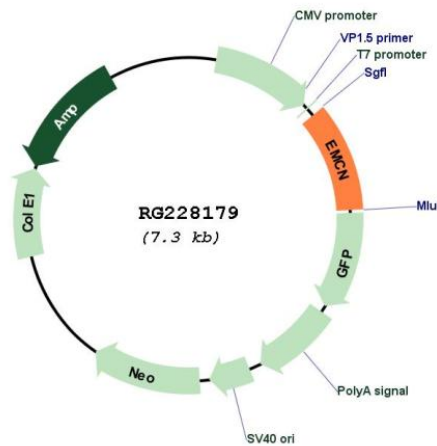
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001159694

ORF Size: 744 bp

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|-------------------------------|---|
| 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: | NM_001159694.2 |
| RefSeq Size: | 4008 bp |
| RefSeq ORF: | 747 bp |
| Locus ID: | 51705 |
| UniProt ID: | Q9ULC0 |
| 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] |