

Product datasheet for **RR204055**

Emcn (NM_001004228) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Emcn (NM_001004228) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Emcn
Synonyms: MGC94175
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204055 representing NM_001004228
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCTGCTTCAAGTACTGCTCTCTTCTTCTTTGTCCAACAGTCTATGCCGTGGTGAGAACAGCA
AAGCACTGACAGAAACATCCACAACAAAAGCATCGGCTACAACACCAGACATGGTGTCAATCACAAACAA
ATCAACAGGCGGAACACCTCCTAAAGGAACGACCAACAGTGAACACCCAAAACACCTTTGATGCCAGCA
CTTGATTCACCGACAACACCAAAACATGAAACAACAACCTCGTGGTGTCAAAAGAATGAAGTTTCCACTA
TAAAAACAACAGTGGCAAATCCTACCATTTGGAATGCTGTTTCAACACTCTCAAGTCCCCAGAACAAAGAC
GGAGAATCAGAGTTCAATCAGGACAACAGAAATATCAGGTACCAATCAACTGCCAGATGACCAAAAACCA
AAGACGACCGAGACGCCCTCTGCATCGCTAACAACGCAAAAACCATCTCACAGATTCAGGATACTGAGG
ATGGGAAGATCACAGCCACTACATCAACCACCCCTCCTATTCCAGTGTATTTTGGCCGTGGTTATCGC
GCTGATTGTTATAACAGTCTTGGTGTACTCTGGTGGCTTGTATCGAATATGCTGGAAAAGAGACCCA
GGCACTCCAGAAAGTGGAAATGATCAGCCTCAGTCTGATAAGAGAGTGTAAAGCTGTCACCGTTAAGA
CAATCTCATGAGTCTGGCGAACACTCTGCACAGGGGAAAGCCAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204055 representing NM_001004228
 Red=Cloning site Green=Tags(s)

MRLQVLTALFFLLSNLCRGENSKALTETSTTKASATTPDMVSITNKSTGGTPPKGTTNSATPKTPLMPA
 LDSPTTPKHETTTRGVIKNEVSTIKTTVANPTISNAVSTLSSPQNK TENQSSIRTTTEISGTNQLPDDQKP
 KTTETPSASLTTAKTISQIQDTEGKITATTSTTPSYSSVILPVVIALIVITVLVFTLVGLYRICWKRPD
 GTPESGNDQPQSDKESVKLLTVKTI SHESGEHSAQ GKAKN

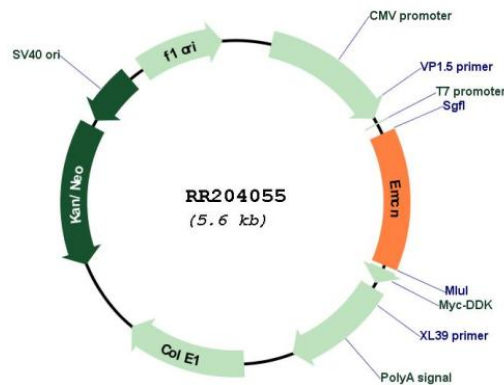
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004228
ORF Size: 750 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:	NM_001004228.1 , NP_001004228.1
RefSeq Size:	1421 bp
RefSeq ORF:	753 bp
Locus ID:	295490
UniProt ID:	Q6AY82
Cytogenetics:	2q44
MW:	26.5 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]