

Product datasheet for SC326814

Endomucin (EMCN) (NM_001159694) Human Untagged Clone

Product data:

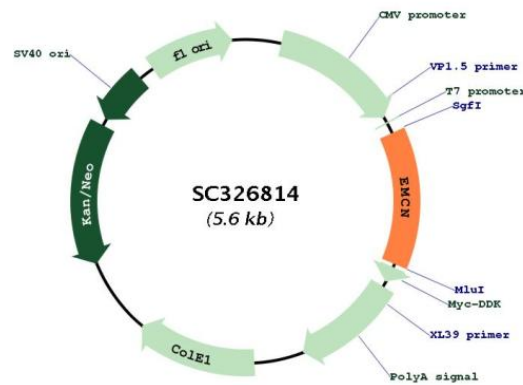
Product Type:	Expression Plasmids
Product Name:	Endomucin (EMCN) (NM_001159694) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMCN
Synonyms:	EMCN2; MUC14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326814 representing NM_001159694. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAACTGCTTCAAGTGACCACTTTCTTTTCTTCTGCCAGTATTTGCAGCAGTAACAGCACAGGTGTT
TTAGAGGCAGCTAATAATTCACCTGTTGTTACTACAACAAAACCATCTATAACAACACCAAAACACAGAA
TCATTACAGAAAATGTTGTCACACCAACAACCTGGAACAACCTCTAAAGGAACAATCACCAATGAATTA
CTTAAATGTCTCTGATGTCAACAGCTACTTTTTTAACAAGTAAAGATGAAGGATTGAAAGCCACAACC
ACTGATGTCAGGAAGAATGACTCCATCATTTCAAACGTAACAGTAACAAGTGTACACTTCCAAATGCT
GTTTCAACATTACAAAGTTCCAAACCAAGAGTAGTGTCTACAACCAGATGCATCACCTTCTAAAAC
GGTACATTAACCTCAATACCAGTTACAATTCAGAAAACACCTCACAGTCTCAAGTAATAGGCAGTGG
GGTGAAAAAATGCAAGCACTTCAGCAACCAGCCGGTCTTATTCCAGTATTATTTGCCGGTGGTTATT
GCTTTGATTGTAATAACACTTTCAGTATTTGTTCTGGTGGGTTTGTACCGAATGTGCTGGAAGGCAGAT
CCGGGCACACCAGAAAATGGAAATGATCAACCTCAGTCTGATAAAGAGAGCGTGAAGCTTCTTACCGTT
AAGACAATTTCTCATGAGTCTGGTGAGCACTCTGCACAAGGAAAAACCAAGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001159694

Insert Size: 747 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

RefSeq: [NM_001159694.1](#)

RefSeq Size: 4008 bp

RefSeq ORF: 747 bp

Locus ID: 51705

UniProt ID: [Q9ULC0](#)

Cytogenetics: 4q24

Protein Families: Transmembrane

MW: 26.1 kDa

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]
Transcript Variant: This variant (2) lacks an in-frame exon in the middle portion of the coding region compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.