

Product datasheet for **SC111288**

Endomucin (EMCN) (NM_016242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Endomucin (EMCN) (NM_016242) Human Untagged Clone
Tag:	Tag Free
Symbol:	Endomucin
Synonyms:	EMCN2; MUC14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016242, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGTCTTCAAGTGACCATTCTTTTTCTTCTGCCAGTATTTGCAGCAGTAACAGCACAGGTGTTT
TAGAGGCAGCTAATAATTCACCTGTTGTTACTACAACAAAACCATCTATAACAACACCAACACAGAATC
ATTACAGAAAAATGTTGTCACACCAACAACCTGGAACAACCTCTAAAGGAACAATCACCAATGAATTAAT
AAAATGTCTCTGATGTCAACAGCTACTTTTTTAACAAGTAAAGATGAAGGATTGAAAGCCACAACCACTG
ATGTCAGGAAGAATGACTCCATCATTTCAAACGTAACAGTAACAAGTGTACACTTCCAATGCTGTTTC
AACATTACAAAGTTCCAAACCAAGACTGAAACTCAGAGTTCAATTAACAACAGAAATACCAGGTAGT
GTTCTACAACCAGATGCATCACCTTCTAAAACCTGGTACATTAACCTCAATACCAGTTACAATCCAGAAA
ACACCTCACAGTCTCAAGTAATAGGCAGTGAAGGTGGAAGAAATGCAAGCACTTCAGCAACCAGCCGGTC
TTATTCAGTATTATTTGCCGGTGGTTATTGCTTTGATTGTAATAACACTTTCAGTATTTGTTCTGGTG
GGTTTGTACCGAATGTGCTGGAAGGCAGATCCGGGCACACCAGAAAAATGGAAATGATCAACCTCAGTCTG
ATAAAGAGAGCGTGAAGCTTCTTACCGTTAAGACAATTTCTCATGAGTCTGGTGAGCACTCTGCACAAGG
AAAAACCAAGAACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016242 unedited GTCTTACCCGCCCGTTGNCGCTAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAG CAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGC GAATTCGGCAGGAGGCCCTGCCAGGCTGGGAGGGAATTGTCCTGCCTGCTTCTGGAGAA AGAAGATATTGACACCATCTACGGGCACCATGGAAGTCTCAAGTGACCATTCTTTTC TTCTGCCAGTATTTGCAGCAGTAACAGCACAGGTGTTTTAGAGGCAGCTAATAATTCAC TTGTTGTTACTACAACAAAACCATCTATAACAACACCAACACAGAATCATTACAGAAAA ATGTTGTCACACCAACAACCTGGAACAACCTCTAAAGGAACAATCACAATGAATTACTTA AAATGTCTCTGATGTCAACAGCTACTTTTTTAACAAGTAAAGATGAAGGATTGAAAGCCA CAACCACTGATGTCAGGAAGAATGACTCCATCATTTCAAACGTAACAGTAACAAGTGTTA CACTTTCAAATGCTGTTTCAACATTACAAAGTTCCAAACCAAGACTGAAACTCAGAGTT CAATTAACAACAGAAATACCACGTAGTGTCTACAACCAGATGCATCACCTTCTAAAA CTGGGACATTAACCTCAATACCAGTTACAATTTCCAGAAACACCTCACAGTCTCAAGTAA TAGGCACTGAGGGTGAAAAAATGCAAGCCCTTCAGCAACCAACCGTCTATTTCAGTAT TATTTTGGCCGCGGTATTGCTTTTGATGGAATAACACCTTTAGAATTGTTCTGGCGGGG TTGTACCGCATGTGCTGTAAGGAATACCGCGGCCACCCCAAAATGGGAAAGATCAACCT CCTCTGATAAGAGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_016242
Insert Size:	2850 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).
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_016242.2 , NP_057326.2
RefSeq Size:	1488 bp
RefSeq ORF:	786 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.