

Product datasheet for **MC222746**

Mmrn2 (NM_153127) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmrn2 (NM_153127) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmrn2
Synonyms:	AA986839; Emilin3; EndoGlyx-1; ENDOGLYX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222746 representing NM_153127
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCCCGACACTGCTGCTGGGCTTTGGGGTGTACCTGAGCTGGGGACTGCTAGGGTCTGGGCACAGG
 ACCCCGGTACCAAGTTCTCCCATCTCAATAGGCCCGGCATGCCTGAAGGCTGGAGACTAGGGGCTGAGGA
 TACCAGCAGAGACCCCATCAGACGGAACCTGGTGTCTTACCAGAAGTCCAGGCTAGTCACCTTTGTAGCT
 GCTTGCAAACAGAGAAATTCCTGGTCCATTACAGCAGCCATGTCCACAGGGAGCCCTGACTGCCAGG
 GAGTCAGAGTCATGTATCGAGTGGCCAGAAGCCAGTGTACCAGGTCCAGCAGAAGGTGCTGATCTCTGT
 GGACTGGCGGTGCTGCCAGGGTCCAGGGACCAGACTGCCAGGACCACAATCCACAGCAAACCTGAG
 CCCACAGAGCCAAGTGGTAACTCCAGGAGACTGGGACTCGATGGATGGCTTTGAACTTGGTCAACCCTG
 TCCAGAGTTTAAAGATTAAGGTGCCACAAGAACAACAGGAAAACCTGCTTCAAATCTCCAGAAATGA
 TGCCAGTCAGTAGAAGATGGCTTCCAGGCTCTTGGGAAGCCCCACCCAGCAACCTCACAGATGAGATG
 ACAGAAGCCAATCTAACAGAATTCGAGTTTCTGGCAGGACATCAGAGCACCTGCTGCAGCCCCATATTG
 ATGCATTCCTGAAAGCACACTTCAGTCCCATCTGGAAGAACTTCAACGACAGCTTGCACAGCCTCTCCCA
 GGCCATCAGAAACTTGTCTCTTGATGTGGAGGCCAATCACAGGCCATCAAGATGATCCAGGAGGGCACA
 GTGGCTAGGGTACTTCCAAGACTTGGTGCCAAAGTTTGGAGCCAAGGTCCAGCAGAATAGCCAGAGAC
 TGGGCCAACTGTGGCAGGATGTGGAGGACCAGCTGCATGCCAGCGCCGATCGGTGCATCATGCCCTCTC
 TGATGTCCAGGCTGAGGTGAGCACCAAGTTAAAGCAGCTTGTCAAGGCTCAGGAACTTCCAGGGCCAAT
 GGCAGCTGGTGTATGGCATCTGCAGCAGCGGCAGCAAGGCCAGAGCCAGAGAGCCTGCAGGCCAGGCTAG
 GGCAGCTGCAGAGAAACCTCTCTGCTGCACATGGTCACTAGCCAGAGGGAGGAGGATTTGCAGAGCAC
 CCTCAAGAACATGGACAGCGTCTTGAAGCAGCAGCGCCGAAGAGATCAAAGAGCTCTATTCTGAATCGGAT
 GAGACCTTCGACCAGATCAGCAAGGTAGAGAGGCAAGTGGAGGAGCTGCTGGTGAACCACACCGGGCTTC
 GAGAGCTGCGGGTATCCTAATGAAAAAGTCCCTGATCATGGAGGAGAACAAGAGGAGATAGAGCGGCA
 ACTGTTGGAACCTCAACCTTACCCTGCAGCATCTGCATGCGGGTCAAGCAGACCTCATTAAGTATGTCAAG
 GACTGCAACTGCCAAAGGGTCAACTCTGACGTGGATGTGCTCCGGAGGGCCACAGGGATGTATGCACA
 CCCTAGAAGAGACCCAAGTGAGCCTGGACGAACAGCACCAGCTAGACGGTCTTCTTTGCAGGCCCTGCA
 AAGCACTGTAGATGCCATGTCTTCAGCAATGGATGCCTATAGAGGAGAGGGTGAACGGGCCCGGGCTGAA
 AGGGCACGGATACGGAGCCAACCTGCGGGCTCTGGATCATGCTGTGGAAGCGCTGAAGACAGCGGCGAATG
 GAACCCGCAAAGAGATACGCCTACTGCACGGCTCCTTACAGCCCTGCTGGAGGATGCCCTGCGACATCA
 GGCCGTGCTAGCTGCACTCTTCGGGGAGGAGATGATAGACGAGATGTCAGAGGAGGCCCTCGCCCTCTG
 CCACTGGATTATGAGCAGATCCGCCTAGCCCTGCAGGACGCGGCCAGTGGGCTACAGGAACAGGCGATTG
 GTTGGGAGGACTTGGCCACCCGGGTGGAGGCATTGGAGAAGGCCCGCAGGTGGCTTTGTGGAGCAGACCC
 ACAGTTGGCAGAGGGACTTGAGCCAGCCACGACTCTGGGAGAGAGGAGGAAGCCATGACTTTGGCGGAG
 CTGGAGCAGGAGATTCGGCGCCTGAGTTCTGATGTCAAGCAGATTGGGCAGTGTGTGAGGCTCCTGGG
 CTGCCTCCCTCAATAGCTCCCTTGAAGACCTACACAGCATGCTCTTGGACACCCAGCAGGCCTGAGACA
 GCACCCGACGCTCTTCCACAACCTTCCAGAACTTCCAAGTCTGGTGGCAAGCAACATCAGCCTAGAC
 TTGGGGAAGCTGCAGGCCATGTTGAGTAAGAAAAGATAAGAAGCAACCCAGAGGCCAGGAGAATCCCGGA
 AGAGGGATAAGAAGCAAGTGGTGTGTCTACAGATGCACAGCCAAAGTCTGGAGCTCTGGGAGACAGG
 CTCCCCTGTGGCCTTCTATGCCGTTCTTCCAGAAGGGCCACTGCTCTGCAGATGGTGAAGTTCAACACC
 ACATCCATCAATGTGGGCAGCAGCTACTTCTGAACATGGTACTTCCGAGCTCCCAAACGTGGCGTCT
 ACTTGTGCTGTGAGCATTACATTTGGCCAGGCCAGGAATGGGGCAGCTGGTATTTGAAGGTATCA
 CCGGGTCCAGTCTACAGTACGGAACAGAGGGGCGGGAGCACAGCCACCCTTTTGTATGGTAGAGCTA
 CAAAAGGGTGAGAGAGCGTGGTTTGGTAAATCCAAGGGTCCAGCAACCAAAGGGAGCCAACAGGCACTG
 CATTGGGGGCTTCTGATGTTCAAGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_153127
Insert Size:	2832 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_153127.3 , NP_694767.3
RefSeq Size:	3935 bp
RefSeq ORF:	2832 bp
Locus ID:	105450
UniProt ID:	A6H6E2
Cytogenetics:	14 B
Gene Summary:	Inhibits endothelial cells motility and acts as a negative regulator of angiogenesis; it downregulates KDR activation by binding VEGFA.[UniProtKB/Swiss-Prot Function]