

Product datasheet for **MC223944**

Mmrn1 (NM_001163507) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mmrn1 (NM_001163507) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mmrn1
Synonyms: 4921530G03Rik; Emilin4; Mmrn
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223944 representing NM_001163507
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGGACTAAAGTTTCTTGCTGCTTTCTATTTTATGGGGCAGGGTCTTCAGGCTTACCAACTC
AACATTTCAGACTGCGCTAAGGATGAAGACGCCTCACTGACCCGAACCCCGTTTCAGCTTCTGTAAG
TGAAATACTGAGCTCCAAGTGCTCTCGGCCACTCAGAACCCTCCACTCAGGGTCTGCAGCTGCTGAG
AGATCTTCTGAAGACGATGTTCTCTACAGTCAACATCACAGCCCTCTGAGACAAGCACCCCTCCTGACG
GGAGAAGCCAAACATCCCTAGAGAAGACAGGGACAGCAGTGGTATCCCTGCCTCTCTCTTTCAGGACAA
ACCCAGCATCAAGCCAGCACCCGGAGCAGGAAGTGTATGCTTGCTAATGCCACGTTGAAATTCCTTCAG
AGTTTTTCCAGAAAGTCTGATCAACAAGAAGTCTCCACTAAGTCGGCTGGCGACATGGGAAACAGGTCTG
CAAGGGAAACACACCTCAGGAGAAGTGACAACAGCAGAAATCAAAGACCCAGCTATCAAAAACCCAGTTT
TGAAACAACACTAGAGGGAAGAATTGGTGTGCTCATGTTTCATACCAAGTTATCCCGACAGTGATACTGGAC
ACTGGCTCTCATTTACCAAGTGAAGAGGTTCTGTGGCTGGTACAGCAGTGGACTCTGTTCCAGAAGAT
CTCAGAAGACATCCAATGCTGTCTATAGAATGCAGCATAAGATTGTCACCTCATTAGAATGGAGATGCTG
TCCTGGATACATAGGTCCAAACTGCAGCTCAAAGTGGAAGAACAGCAGCAGCTGGCACACAGTAACCAG
GCTGAAAGTCACACCGCTGTTGACCAAGGAAGAGCTCAGCAGCAGAAGCAAGACTGTGGTACCCAGCCA
TGATTCAAAAACTGGCAGAGCAGCTGAGCCAACAGGAGAGGAAGTGTGCTTCTGCAGAAGAAGTTGA
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AACAGCAGGCAATTTCAATCTTTTCTAAAAGCTCTAAAATCAAAGAGTATTGAGGATCTGCTAAAGAACA
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GTCAAGTCTATCAGAGGACTTGGAAAGTACCAGGCAGGCAGTTCTACAAGTGAACCAAGTCTTTGTTTCA
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AAAACAAGCTCATTTGGAAGGAGCACTAAGACAGGAGCACTCACAGATTGTTCTGTACCACCAATCCCTC
AATGAAACTCTCTCTAAAATGCAGGAAGCACACACAGCTGTTATCAGTTCTACAAGTATCAGGAACAG



AGAATGTCGCCACTGAGGAATCCCTCAACAGTAATGTCCTAAGTATATATCTGTACTACAGGAGACAGC
AAGCAAGCAAGGTCTGATGCTGCTGAGATGCTCAGTGATTTGCATGTCCAAGAGAGCAAGATCAGCAAC
CTTACCATCCTTTTGGAGATGGAGAAAGAAATCAGCCAGGGGAGAAATGTGAGGAAATGCTATCTAAATGCA
GGCATGACTTTAAATTTCAACTCAAGGACACAGAGGAAAATCTGCATGTGTTAAATCAAACACTGTCTGA
GGTTATCTTTCCCATGGACATCAAGGTGGATAAAATGAGTGAGCAGCTGAATGATTTGACATATGACATG
GAGATCCTTCAGCCTTTGCTGGAGCAGAGGTCGTCGCTTCAACACCAGGTTATACACAAGCCAAAGGAAG
CCACAGTTACTCGCAGAGAGCTACAAAACCTGATCGGTGCCATCAACCACTGAACGTTCTTACCAAAGA
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AGTGAGCATGCCTTAGAAACAGAAGATGGCCTAAATAAGACAATGACTGTTATAAACAATGCCATCGATT
TTGTTCAAGATAACTATGTGTTAAAGGAGACTTTAAGTGTATGACATATAATCCCAAGGTTTGTGAGTG
TAACCAAATAATGGACAATATTTAACATTTGTTTCTGAATTCAGCATTGAATGATTCTATTCAGACT
TTGGTCAATAACAAAGAGAAGTATAATTTATTTGCAAATTGCTAAAGCCCTTACAGCGATTCTAAAG
ATGAGAACTAAACCAGTTAACTTTCAAATATTTATCAACTATTCAATGAAACCCTTCCAGGTGAA
CAAATGTCAGCAAACATGAGTCATTTAGAAGAAAATATGCTTTCAGTAACAAGACTGCCAAAGAGTTT
GAAACTCGTTTGAAGGCATTGAATCTAAAGTGACCAAGACACTACATCTTACTATATTTCAATTTAAAA
AAGGTGGCATCCTATCAATGAGAGAGATGTTGATCTTCAGCTGAAGGACTAAATACCAGATTTAAGGC
ACTGGAAGCAAAGTCCATCCATCTTCCGTGAGTTTCTTTGCTTAATAAAACTGTCCGTGAGCTTTCA
ATGGCATGCCGTAATGCTTCTACAGGTACTGTGGACAGAATGCACTCATACCCAGGTGGACCAAAGGCT
CACTGCCAGGCAGTCAGAGTTCTCAGAAAAGTCTGACAGAACTTGTGGAATCAATAGTTGAAATTTAAAC
TCAAGCCGCCCTATCTAATTTAAGTGGAAATGTTGACCGATTGTTATCTGACACTCTGGCAAATATTGTC
AAGCCTCAAAGCAGATAAAATGTCAGAAGAAACCAACACACTTAAGAAAACGGTGAACATGACCACCA
TTCTGATAGGCCGAACACAAAGGAACACAGACACCATTATACATCCTGCACAGGAACATTCCAGCTGCAG
CAGTTCCCGTGCCAGAATGGTGGCACATGCATCAGCGGAGATCCAATTCATCTGCGCTTGCCGGCAC
CGTTTCATGGGTGACACTTGACCGTGAAGATCAAGGAAGATGATGCAGTAGCACCAGATTTTCCAAAG
GATCTTACAGATATGCTCCGATGGTGGCGTTTTTCGTATCTCACACTCACGGAATGACGGCACCTGGTCC
TATCCTGTTCAATGATCTAAGCGTCAACTATGGGGCTCATATAACCAAGGACTGGCAAGTTCAGAATT
CCATACCTTGGAGTGATATTTTCAAATACACCATTGAGTCATTGAGTGCTCATATCTCCGGTTTTTTTG
TGGTGGATGGAGTAGACAACTTAGATTTGAGTCTGAAAATGCTGACAATGAGATACACTGTGACAGAGT
TTTGACTGGGGATGCCTTATTTGAATTAATTACGGACAGGAAGTGTGGTGGCAGTTGAAAAGGAACA
ATTCCAATCAAATATCCCCTGTGACCAGTTCAGTGGTACTTGTATATCGCACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001163507
- Insert Size:** 3630 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:

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_001163507.1](#), [NP_001156979.1](#)

RefSeq Size: 4633 bp

RefSeq ORF: 3630 bp

Locus ID: 70945

UniProt ID: [B2RPV6](#)

Cytogenetics: 6 29.22 cM

Gene Summary: Carrier protein for platelet (but not plasma) factor V/Va. Plays a role in the storage and stabilization of factor V in platelets. Upon release following platelet activation, may limit platelet and plasma factor Va-dependent thrombin generation. Ligand for integrin alpha-IIb/beta-3 and integrin alpha-V/beta-3 on activated platelets, and may function as an extracellular matrix or adhesive protein (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter protein (isoform b) compared to isoform a.