

## Product datasheet for MC223943

### Mmrn1 (NM\_027613) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mmrn1 (NM_027613) 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:	>MC223943 representing NM_027613 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTGGGACTAAAGTTTCTTGCTGCTTTCTATTTTATGGGGCAGGGTCTTCAGGCTTACCAACTC  
AACATTTCAGACTGCGCTAAGGATGAAGACGCCTCACTGACCCGAACCCCGTTTCAGTTCTGTAAG  
TGAATACTGAGCTCCAAGTGCTCTCGGCCACTCAGAACCCTCCACTCAGGGTCTGCAGCTGCTGAG  
AGATCTTCTGAAGACGATGTTCTCTACAGTCAACATCACAGCCCTCTGAGACAAGCACCCCTCCTGACG  
GGAGAAGCCAAACATCCCTAGAGAAGACAGGGACAGCAGTGGTATCCCTGCCTCTCTCTTTCAGGACAA  
ACCCAGCATCAAGCCAGCACCCGGAGCAGGAAGTGTATGCTTGCTAATGCCACGTTGAAATTCCTTCAG  
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CAAGGGAAACACACCTCAGGAGAAGTGACAACAGCAGAAATCAAAGACCCAGCTATCAAAAACCCAGTTT  
TGAAACAAGTGAAGGGAAGAATTGGTGTGCTCATGTTTCATACCAAGTTATCCCGACAGTGATACTGGAC  
ACTGGCTCTCATTTACCAAGTGAAGAGGTTCTGTGGCTGGTACAGCAGTGGACTCTGTCCAGAAGAT  
CTCAGAAGACATCCAATGCTGTCTATAGAATGCAGCATAAGATTGTACCTCATTAGAATGGAGATGCTG  
TCCTGGATACATAGGTCCAAACTGCAGCTCAAAGTGGAAGAACAGCAGCAGTGGCACACAGTAACCAG  
GCTGAAAGTCACACCGCTGTTGACCAAGGAAGAGCTCAGCAGCAGAAGCAAGACTGTGGTACCCAGCCA  
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AACAGCAGGCAATTTCAATCTTTTCTAAAAGCTCTAAAATCAAAGAGTATTGAGGATCTGCTAAAGAACA  
TCGTAAGAACAATTTAAAGTCTTCAAGATGATATGCAGGAGACGACTGCCAGATCTTCAAGACTGT  
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AAAACAAGCTCATTTGGAAGGAGCACTAAGACAGGAGCACTCACAGATTGTTCTGTACCACCAATCCCTC  
AATGAACTCTCTCTAAAATGCAGGAAGCACACACAGCTGTTATCAGTTCTACAAGTATCAGGAACAG



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AGAATGTCGCCACTGAGGAATCCCTCAACAGTAATGTCCTAAGTATATATCTGTACTACAGGAGACAGC  
AAGCAAGCAAGGTCTGATGCTGCTGAGATGCTCAGTGATTTGCATGTCCAAGAGAGCAAGATCAGCAAC  
CTTACCATCCTTTTGGAGATGGAGAAAGAAATCAGCCAGGGGAGAAATGTGAGGAAATGCTATCTAAATGCA  
GGCATGACTTTAAATTTCAACTCAAGGACACAGAGGAAAATCTGCATGTGTTAAATCAAACACTGTCTGA  
GGTTATCTTTCCCATGGACATCAAGGTGGATAAAATGAGTGAGCAGCTGAATGATTTGACATATGACATG  
GAGATCCTTCAGCCTTTGCTGGAGCAGAGGTCGTCGCTTCAACACCAGGTTATACACAAGCCAAAGGAAG  
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TTGTTCAAGATAACTATGTGTTAAAGGAGACTTTAAGTGTATGACATATAATCCCAAGGTTTGTGAGTG  
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TTGGTCAATAACAAAGAGAAGTATAATTTTATTTGCAAATTGCTAAAGCCCTTACAGCGATTCTAAAG  
ATGAGAACTAAACCAGTTAACTTTCAAATATTTATCAACTATTCAATGAAACCCTTCCAGGTGAA  
CAAATGTCAGCAAACATGAGTCATTTAGAAGAAAATATGCTTTTCAGTAAACAAGACTGCCAAAGAGTTT  
GAAACTCGTTTGAAGGCATTGAATCTAAAGTGACCAAGACACTCATACCTTACTATATTTTCATTTAAAA  
AAGGTGGCATCCTATCAATGAGAGAGATGTTGATCTTCAGCTGAAGGTAATAACCAGATTTAAGGC  
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CACTGCCAGGCAGTCAGAGTTCTCAGAAAAGTCTGACAGAACTTGTGGAATCAATAGTTGAAATTTAAAC  
TCAAGCCGCCCTATCTAATTTAACTTGGAAATGTTGACCGATTGTTATCTGACACTCTGGCAAATATTGTC  
AAGCCTCAAAGCAGATAAAATTCAGAGAAGAAACCAACACACTTAAGAAAACGGTGAACATGACCACCA  
TTCTGATAGGCCGAACACAAAGGAACACAGACACCATTATACATCCTGTAGCACAGGAACATTCCAGCTG  
CAGCAGTTCCCGTGCCAGAATGGTGGCAGATGCATCAGCGGGAGATCCAACCTTTCATCTGCGCTTGCCGG  
CACCCGTTTCATGGGTGACACTTGACCCGTGAAGATCAAGGAAGATGATGCAGTAGCACAGATTTTCCA  
AAGGATCTTACAGATATGCTCCGATGGTGGCGTTTTTCGTATCTCACACTCACGGAATGACGGCACCTGG  
TCCTATCTGTTCAATGATCTAAGCGTCAACTATGGGGCCTCATATAACCCAAGGACTGGCAAGTTCAGA  
ATTCCATACCTTGGAGTGTATTTTTCAAATACACCATTGAGTCATTGAGTGTGCTCATATCTCCGTTTTT  
TTGTGGTGGATGGAGTAGACAACTTAGATTTGAGTCTGAAAATGCTGACAATGAGATACACTGTGACAG  
AGTTTTGACTGGGGATGCCTTATTTGAATTAATACGGACAGGAAGTGTGGTTCGACTGTAAAAGGA  
ACAATCCAATCAAATATCCCCCTGTGACCACGTTCAAGTGGTTACTTGTATATCGCACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_027613
- Insert Size:** 3633 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\\_027613.1](#), [NP\\_081889.1](#)

**RefSeq Size:** 4636 bp

**RefSeq ORF:** 3633 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 (1) represents the longer transcript and encodes the longer isoform (a).