

Product datasheet for **MR224565**

Mmrn1 (NM_027613) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmrn1 (NM_027613) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmrn1
Synonyms:	4921530G03Rik; Emilin4; Mmrn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224565 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGACTAAAGTTTCTTGCTGCTTTCTATTTATGGGGCAGGGTCTTCAGGCTTACCAACACTC
AACATTTCATGGACTGCGCCTAAGGATGAAGACGCCTCACTGACCCGAACCACGTTTCAGTTCTGTAAG
TGAAATACTGAGCCTCCAAGTGCTCTCGGCCACTCAGAACCCCTCCACTCAGGGTCTGCAGCTGCTGAG
AGATCTTCTGAAGACGATGTTCTCTACAGTCAACATCACAGCCCTCTGAGACAAGCACCCCTCCCAGG
GGAGACACCAACACCCCTAGAGAAAACAGGGACAGCAGTGGTATCCCTGCCTCTCTCTTTCAGGACAA
ACCCAGCATCAAGCCAGCACCGGAGCAGGAAGTGCATGCTTGCTAATGCCACGTTGAAATTCCTTCAG
AGTTTTTCCAGAAAGTCTGATCAACAAGAAGTCTCCACTAAGTCGGCTGGCGACATGGGAAACAGGTCTG
CAAGGGAAACACACCTCAGGAGAAGTGACAACAGCAGAAATCAAAGACCCAGCTATCAAAACCCAGTTT
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ACTGGCTCTCATTTACCAAGTGAAGAGGTTCTTGTGGCTGGTACAGCAGTGGACTCTGTTCCAGAAGAT
CTCAGAAGACATCCAATGCTGTCTATAGAATGCAGCATAAGATTGTCACCTCATTAGAATGGAGATGCTG
TCCTGGATACATAGGTCCTCAAACTGTCAGCTCAAAGTGAAGAAGCAGCAGCTGGCACACAGTAACCG
GCTGAAAGTCACACCGCTGTTGACCAAGGAAGAGCTCAGCAGCAGAAGCAAGACTGTGGTGACCCAGCCA
TGATTCAAAACTGGCAGAGCAGCTGAGCCAACAGGAGAGGAAGCTGTGCTTCTGCAGAAGAAGTTGA
CAATGCTTCTCTGGTGGCAGATGACATGAGGAATGCATACCTCTCACTAGAAGGGAAGTTGGGGAGGAC
AACAGCAGGCAATTTCAATCTTTTCTAAAGCTCTAAATCAAAGAGTATTGAGGATCTGCTAAAGAACA
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AATGAACTCTCTCTAAATGCAGGAAGCACACATACAGCTGTTATCAGTTCTACAAGTATCAGGAACAG
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 CACCCGTTTCATGGGTGACACTTGACCCGTGAAGATCAAGGAAGATGATGCAGTAGCACCAGATTTTCCA
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224565 protein sequence

Red=Cloning site Green=Tags(s)

MLGLKFLVLLSILWGRVFRLLTNTQHSWTAPKDEDASLTPNHASASVSEILSLQVLSATQNPSTQGPAAAE
 RSSEDDVLLQSTSQPSETSTPPEGRHQTPLEKTGTAVVSLPLSLQDKPSIKPSTGAGTVMLANATLKFLQ
 SFSRKSDQQEVSTKSAGDMGNRSARETHLRSDNSRNQRPSTQKPSFETTRGKNWCAHVHTKLSPVILD
 TGSHLPSGRGSCGWYSSGLCSRRSQKTSNAVYRMQHKIVTSLEWRCCPGYIGPNCQLKVEEQQLAHSNQ
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 NSRQFQSFLKALKSKSIEDLLKNIVKEQFKVFQDDMQETTAQIFKTVSSLSLESTRQAVLQVNQSFVS
 STAQKDFAFMQENQPTWKDITDLKNSIMNIRQEMALTCEKPVKELEAKQAHLEGALRQESQIVLYHQSL
 NETLSKMQEAHIQLLSVLQVSGTENVAEESLNSNVTKYISVLQETASKQGLMLLQMLSDLHVQESKISN
 LTILLEMEKESARGECEEMLSKCRHDFKFQDKTEENLHVLNQTLSVIFPMDIKVDKMSEQLNDLTYDM
 EILQPLLEQRSSLQHQVIHKPEATVTRRELQNLIGAINQLNVLTKELTKRHNLNRNEVQSRGEAFERRI
 SEHALETEDGLNKTMTVINNAIDFVQDNYVLKETLSAMTYNPKVCECNQNMNDNILTFVSEFQHLNDSIQT
 LVNNKEKYNFILIQAALTAIPKDEKLNLNFQNIYQLFNETTSQVKNCCQNMNMLEENMLSVTKTAKEF
 ETRLQGIESKVTKLIPYYISFKKGGILSNERDVLQLKVLNTRFKALEAKSIHLSVSFSLNKTVRELS
 MACRNASTGTGCGNALIPRWTKGSPGSSQKSLTELVESIVEIKTQAALSNLTWNVDRLSDTLANIV
 KPQKQIKLQKKPNTLKKTVNMTTILIGRTQRNTDTIIHPVAQEHSSCSFPCQNGGTGISGRSNFICACR
 HPFMGDTCTVKKIKEDDAVAPDFSKGSYRYAPMVAFFVSHTHGMTAPGPILFNDLSVNYGASYNPRTGKFR
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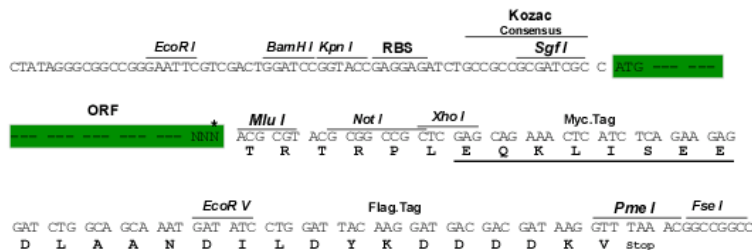
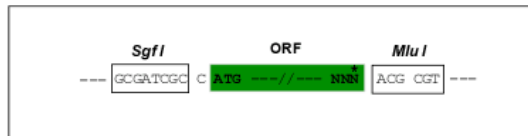
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

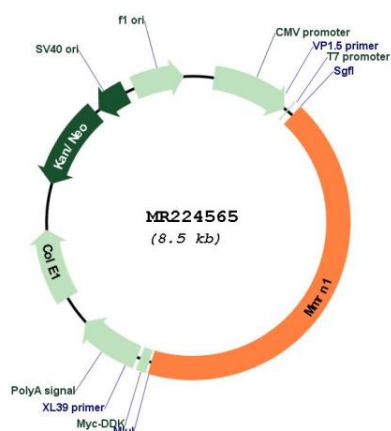
NM_027613

ORF Size:

3630 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
MW:	136.1 kDa
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]

Product images:



Circular map for MR224565