

Product datasheet for **RR202235**

Mmp20 (NM_001106800) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp20 (NM_001106800) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202235 representing NM_001106800
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGTGCTACCTGCCTCTGGCCTTGTCTGCTTGTACAGCTTTAAAGTTTGCCACTGCAGCCCCCG
 CCTACTCGCAGCCACCCCTAGGACCTTACAGAGCAACTACCACCTCGCAGAGCCCTATCTCGACAAGTA
 TTATACAAAGAAAAGGAGGCCCCAGGCTGGCGAGATGGTGGCAAGAGAAAACAACCCACGGTCAGGAAG
 ATTAAGGAGCTACAAACATTCTTTGGCCTCAGAGTCACTGGGAAGTTGGACCAGAATACGATGGATGTGA
 TCAAGAGGCCCTCGCTGTGGAGTTCCTGATGTGGCTAACTACCGCCTCTCCAGGTGAACCCAAATGGAA
 AAAAAATATTTTACATACAGAGTCTCTAAGTACACACCTCCATGAGTCTACCGAGGTAGACAAGGCT
 GTACATATGGCCCTGCACGCATGGAGTACGGCTGTCCCTCTGATCTTCGTGAGAATAAATCTGGGGAAG
 CAGATATCATGATATCTTTGAAACAGGAGATCATGGGATTCTACCCATTTGATGGCCCTCGGGGAC
 GCTGGCCATGCGTTTCGACCTGGAGAAGCCCTGGGAGGAGACACACATTCGACAATGCTGAGAAGTGG
 ACTATGGGAACGAATGGGTTCAACTTATCACCGTTGCTGCTCACGAATTTGGCCATGCTCTGGGCCTGG
 GCCATTCCACAGACCCATCAGCGCTGATGTACCAACTATAAAGTACCAGAACCCCTATAGTTCCATCT
 CCCAAGGATGATGTGAAAGGGATCCAAGCGTTATATGGACCCCGGAAAACATCCAGGAAAGCCACC
 ATGCCCATATCCACCTCACAAGCCATCCATCCCGACCTCTGTGACTCCAGCTCATCCTTTGATGCGG
 TGACAATGCTGGGAAAGGAGCTTCTGTTCTTCAAGGATAGGATTTTCTGGAGAAGCGGGTGCACCTTGC
 AGCAGGGATTTCGCCCAGCACCATCACCAGCTCCTTCCCCAGCTCATGTCCAATGTGGACGCAGCTTAT
 GAAGTGGCTGAACGAGGCATTGCCTTCTTCAAAGTCTCTACTACTGGTCACTCGAGGATCCAGA
 TGCAAGTCTCTCTCGACAATTTATGACTTCGGGTTCCCAAGGCATGTGCAGCGAATAGATGCCCGCT
 CTACCTCAAGGAGCCTCAGAAGACCCTTTTCTTTGGGAGAGGAATACTACAGCTATGATGAAAGAAAA
 AAGAAAATGAAAAGGACTACCCAAAAAGCACTGAGGAAGAATTTTCAGGAGTGTGGCCATATAGATG
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 GGAAGATGTGGTTAGTGTGGTAAATCCAGCTCCTGGGTTGGTTCGGAAGATGTGGTTAGTGTGGTAAA
 ATCCAGCTCCTGGGTTGGTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202235 representing NM_001106800
 Red=Cloning site Green=Tags(s)

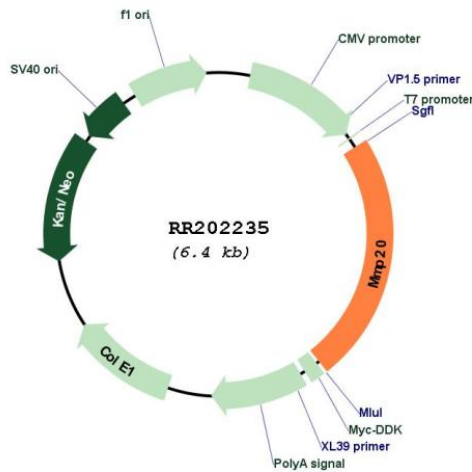
MKVLPAAGLAVLVTALKFATAAPALLAATPRTFRSNYHLAQAYLDKYYTKKGGPQAGEMVARESNTVVRK
 IKELQTFGLRVTKLDQNTMDVIKPRRCVDPVANYRFLPGEPEKWKKNILTYRVSKYTPSMSPTVEVDKA
 VHMALHAWSTAVPLIFVRINSGEADIMISFETGDHGDSPFDGPRGTLAHAFAPGEGLGGDTHFDNAEKW
 TMGTNGFNLFVAAHEFGHALGLGHSTDPALMYPTYKYQNPYRFHLPKDDVKGIQALYGPRTFFPGKPT
 MPHIPPVKPSIPDLCDSSSFDAVMTLKGKELFFKDRIFWRRRVHLPAGIRPSTITSSFPQLMSNVDAAY
 EVAERGIAFFFKGPHYWVTRGFQMQPPRTIYDFGFPRHVQRIDAAVYLKEPQKTLFFVGEYYSYDERK
 KKMEKDYPKSTEEEFSGVSGHIDAAVELNGYIYFFSGPKTFKYDTEKEDVVSVKSSSWVCGRCG*CGK
 IQLLGWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


ACCN: NM_001106800

ORF Size: 1446 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.

RefSeq Size: 3284 bp

RefSeq ORF: 1449 bp

Locus ID: 300341

Cytogenetics: 8q11

MW: 54.1 kDa