

Product datasheet for **RN200578**

Mmp13 (NM_133530) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp13 (NM_133530) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mmp13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200578 representing NM_133530
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCATTAGCTATTCTGGCCACCTTCTTCTTGTGTGAGTTGGACTCACTGTTGGTCCCTGCCCTTCCCT
 ATGGTGATGATGATGATGATGACTTGTCTGAGGAAGATCTTGAGTTTGCAGAGCACTACTTGAAATCATA
 CTACCATCCTGTGACTCTTGCGGGAATCCTGAAGAAGTCTACAGTGACCTCTACAGTTGATAGACTCCGA
 GAAATGCAGTCTTTCTTTGGCTTAGATGTGACTGGCAAACCTTGATGATCCTACCTTAGACATCATGAGAA
 AACCAAGATGTGGAGTGCCTGATGTGGTGAATAACAATGTTTTCCCTCGAACACTCAAATGGTCCCAAAAC
 AACTTAACCTACAGAATTGTGAACTACACCCCTGATATATCCCATTCTGAAGTGGAGAAGGCCCTCAGA
 AAAGCCTCAAGGTCTGGTCTGATGTGACACCTCTGAATTTACCAGGATCCATGATGGCACTGCTGATA
 TCATGATATCTTTGGAATAAAGAACATGGTACTTCTACCCATTTGATGGCCTTCTGGTCTTCTGGC
 ACACGCTTTTCTCCTGGACAAACCTTGGCGGGACGCCATTTTATGATGATGATGAAACCTGGACAAGC
 AGCTCAAAGGCTACAACCTATTTATTGTTGCTGCCATGAGCTTGGCCACTCCCTCGGTCTGGACCACT
 CCAAGGACCTGGAGCCCTGATGTTCCCATCTATACCTACACTGGCAAAGCCATTTTCATGCTCCAGAG
 TGATGACGTTCAAGGAATCCAGTCTCTCTATGGTCCAGGAGATGAAGACCCCAACCTAAGCACCCAAA
 ACACCAGAGAAGTGTGACCCAGCCCTATCCCTTGATGCCATTACTAGTCTCCGAGGAGAAACCATGATCT
 TTAAGACAGATTCTTCTGGCGTCTGCACCCTCAGCAGTTGAGCCTGAACTGTTTTTGACCAAGTCCTT
 TTGGCCAGAACTCCCAACCATGTGGATGCTGCATACGAGCATCCATCCGAGACCTCATGTTTCTTTT
 AGAGGGAGAAAATTCTGGGCCCTGAATGGGTATGACATTATGGAGGTTATCCAGAAAAATATCTGACC
 TGGGATTTCCAAAAGAGGTGAAAAGGCTCAGTGTGCGGTTCACTTTGAGGACACGGGGAAGACCCCTCTT
 CTCTCAGGGAACACGTTGGAGTTATGATGATGCTAACCAAGACTATGGACAAAAGACTATCCCGCCTC
 ATAGAAGAAGAATTCCTGGAATTGGCGACAAAGTAGATGCTGTCTATGAGAAAAATGGCTATATCTACT
 TTTTCAATGGGCCATACAGTTTGAATACAGTATCTGGAGTAATCGCATTGTGAGAGTCATGCCAACAAA
 TTCCTTATTGTGGTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2262_f01.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_133530

Insert Size: 1419 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	<u>NM_133530.1</u> , <u>NP_598214.1</u>
RefSeq Size:	2602 bp
RefSeq ORF:	1419 bp
Locus ID:	171052
Cytogenetics:	8q11
Gene Summary:	enzyme that degrades collagen type I [RGD, Feb 2006]