

## Product datasheet for **MC219114**

### **Mmp21 (NM\_152944) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mmp21 (NM_152944) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp21
Synonyms:	b2b873C; b2b873Clo; b2b2458C; b2b2458Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219114 representing NM\_152944  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTGTGTCCTCTGTCTTGCCTCTGACACTGCCGCTCTGCTGGCTAGTTGCACCCAGCCACCCAGC  
 CTGAGAGGCTCTCCACAGCCGGGACCGTTTCGGACCTGGAGCCATCTCCCCTGAGCCAGGCCAAGCCCAT  
 TGCTGACCTCCATGATGCTCAGAGCTTCTATTGAAATATGGCTGGTCAGAGATACCTAGCCCAAAGGAG  
 TCAGCAGGAGTCCCTGTGGGATTCACCTTGGCTCAAGCTGTACGTAGATTCCAGAAGCGCAACAGACTGC  
 CAGCCAGTGGGAATTGGACTCACCTACACTGGCCGCTATGAACAAGCCACGCTGTGGGTTCTGACAC  
 ACGGCTGCCCCCTCGGGCTGCCCTGCCAACCCACCAGCCCTGCTGACCTCTTTAGGTCTCCGGCCAGG  
 GCCAGACAAAAGCGCTTTCTTCAAATGCTGTTCCCAAGCCAGATGGGCAACAGGAGGATGCCTCAGACA  
 CTGGGGCCAGCAGGGCCTTCTCCAAGAAGACACTGACCTGGAGGCTGGTGGGAGATGCCTACAGCAGCCA  
 ACTCTCTGGGGATGAGCAGAGGTACATCTTTAGACTGGCCTTCAGGATGTGGAGTGAAGTACACCACTG  
 GACTTCCGGGAGGACCGCACTGCCCTGGCACCATGGTGGACATAAAGCTGGGTTTTGGGAGAGGCCGGC  
 ACCTGGGCTGTCCACGGGTGTTTGACGGGAGTGGACAGGAGTTTGACATGCCTGGCGCCTGGGTGAGAT  
 CCACTTTGATGACGACGAGCACTTCACTCCTCTCTCCAGTGACACAGGCATCAGCCTTCTCAAAGTAGCT  
 GTCCATGAAATTGGCCACGTCCTCGGATTGCCTCACACCTACAGGGTGGGATCCATAATGCAACCAAAT  
 ACATTCACCCAGGAGCCTGCCTTTGAGTTGGACTGGGCAGACAGAAAAGCAATTCAAAGACTATATGGTTC  
 GTGCAAGGGGTCAATTTGATACAGTGTGGACTGGATCCGAAGGAGAGGAACCAATATGGTGAGGTGAGG  
 GTGAGATTCAACACGTAATCTTCCGCAACAGCTGGTACTGGCTCTACGAAAACCGCAACAACAGGACTC  
 GCTACGGGGACCCCTCCAAATCCTCACTGGCTGGCGTGGGATCCCCACGCAGAGCATCGATGCCTACGT  
 CCATGTCTGGTCAATGGGAAAAGACGAGCGCTACTTTTTCAAAGGAAGCCAATACTGGAGATATGACAGT  
 GAGAATGACCAGGCACACAGAAAGACGAACAAGGAAGGAGCTACCTAAACTGATCTCAGAAGGATTCC  
 CTGGCATCCCCAGCCCCCTGGACACGGCCTTTTACGATCGGAGGCAGCAGTTAATTTACTTCTTCAAGGA  
 GTCTCTAGTATTTGCATTTGATGTCAACCGAAACCAAGTACTTAATTTCTATCCAAAGAAGATGAGCCAA  
 GTGTTTCCAGCAATAATGCCTCAAACCACCCATTAGAAACCTCGATTACGCGTACTACTCCTATGCAC  
 ACAACTCCATCTTCTTCAAAGGCAACTCGTACTGGAAAGTAGTTAGTGACAAGGACAAAACAGCAGAA  
 CACCCGGCTGCCTCTGAATGGCTATTTTCAAAAAAACCTGTTTCCGAGAAGTGGTTTGATGTTTGTGAT  
 GTTCACACCTCTACCCTGAACATG**TAA**

**ACGGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_152944

**Insert Size:** 1707 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\\_152944.1](#), [NP\\_694423.1](#)

**RefSeq Size:** 1858 bp

**RefSeq ORF:** 1707 bp

**Locus ID:** 214766

**UniProt ID:** [Q8K3F2](#)

**Cytogenetics:** 7 F3

**Gene Summary:** This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. Mice harboring certain mutations in this gene exhibit congenital heart defects. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2016]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).