

## Product datasheet for **MC219769**

### **Mmp25 (NM\_001033339) Mouse Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                                     |
| Product Name:      | Mmp25 (NM_001033339) Mouse Untagged Clone               |
| Tag:               | Tag Free  |
| Symbol:            | Mmp25   |
| Synonyms:          | F730048C11Rik; Leuk; Leukolysin; MMP20; MT6-MM; MT6-MMP |
| Vector:            | pCMV6-Entry (PS100001)                                  |
| E. coli Selection: | Kanamycin (25 ug/mL)                                    |
| Cell Selection:    | Neomycin  |



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**Fully Sequenced ORF:** >MC219769 representing NM\_001033339  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGCTTCCCAGGATCCCAGATCTCTCCTGCCGTCTCTACTACCTTGTGTGCGCTCCCTGGATCTGCA  
 CCGGGTCCCTGACTCCTCCAGACTTCCACGGCGCGGGAGTCAGGGCCTTTCGCGTGCCTCCCGGGT  
 CGTCCAAGCTGAACGCATCTTGAGGCTGCCGGCTTTCGGTCTCCCGTTGCTGGCGCTTCTGTTGGTTCCG  
 CTGCTGCCGGTGCAGCTCAGAATCCCAGTGCAGAGTGTGAGCATGGGCGTGAATGGCTGACTCGCT  
 ATGGCTACCTGCCACCGCGGATCCTGTCCACGCCAGATGCAGAGTCTTGAGAACTGCAGGATGCAAT  
 CAAAGTCATGCAGAGATTTGCCGACTACCTGAGACTGGACAAATGGACCAATGACAATAAAGACCATG  
 CGAAGCCCCGGTCTCCTGCCTGATGTCTGGGCGCAGCTGGGCTGGTGCAGACGCCGACGTCGCTATT  
 CTCTGAGTGGCAGTGTGGGAAGAAACGCACCTGACATGGAGTATCCGGTCTTCTCTCAGAAATCCCA  
 GTTGAGCCCGCAGATTGTTCCGACCTCCTGAGCTATGCCCTGGTGTCTGGGCTACTGAATCAGGCCTT  
 ACATTCAGGAGGTGAATTCTCAGTACCAGGAGCCTGACATCATTATCCACTTTCGTCGGGCCTACCACC  
 AGGACAGTTACCCCTTACGGGTCTGGTGGCAGCTTGGCTCACGCCTTCTCCCTGGGGAGCACCCAT  
 CTCTGGAGACACGCATTTGATGATGAAGAGACCTGGACTTTTGGGTCAACAGATGATAACGGAATTGAC  
 CTATTTGCAGTAGCAGTTCATGAATTTGGCCATGCCCTAGGCCTTGGCCACTCTTCTGCACCCAACCTCA  
 TTATGCGGCCCTTCTACCAGGGCCCGGTGGGTGACCTGCCACATACCGTTTGGCCAGGATGACCGTGA  
 CGGACTGCAGCAGCTCTATGGGAGAGTGTCCAAAATCCAAATGCCAGGCCACAAAGGAAACCCCTGGTT  
 CCGCTCCCGCAGCTCCAGCCATGCCCTGACAGCCCCGCCACACCTGTGCCTGACCGCTGTGAGGGCA  
 ACTTTGATGCCGTTGCCAACATTCGAGGGGAAATTTTCTCTTCAAAGGCCCATGGTTTTGGCGCTCCA  
 ACCCTCAGGACAGCTGGTATCACCCCGCCCTGCTGGGTTGCACCGCTTTTGGGAGGGGCTGCCAACCCAT  
 GTGAAAGTCATCCAGGCTGCCTATGCCGACCCCTAGATGGCCGAATCATCCTCTTCAGCGGCCCGCAGT  
 TCTGGGTGTTCCAGGAACGACAGCTTGAGGGTGCAGCGCGCCACTGGTAGAGTTTGGGCTGCCCCAGG  
 AGAAGACGTGGATGCTGTGTTCTCATGGCTCACAATGGCAAGACATACCTGATCCGAGGTCAAAGTAC  
 TGGCGGTATGACGAGGTGGCCGCCCGCCAGCCCTGGTACCCACGTGCCTTGAAGTCTCTGGGATGGG  
 CGCCCTTGGCCAGACGATGTACCATCAGCAACACAGGTGACACTTACTTTTTCAAGGGCACCCATTT  
 CTGGCGCTTTCGGGAGGGCAGTGTCAAAGCTGAGTCAGATTCCCCCAGCCATTGGGCCAAAGTGGCTG  
 GACTGCCCTGCCCAACTCTGACCCTCGAGTCACCAGTCCCCGAAAACGACATCCAAAACCCGAAGCT  
 GTGATTGCACTGCGAGCTCAATCAAGCCTCAGAGCAGCTGTGCCCTCCTGCTGCCTCTCTACCCCT  
 AGTGGCTGGAGAGGTCTTTTCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001033339

**Insert Size:** 1848 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\\_001033339.4](#), [NP\\_001028511.1](#)

**RefSeq Size:** 3670 bp

**RefSeq ORF:** 1848 bp

**Locus ID:** 240047

**UniProt ID:** [Q3U435](#)

**Cytogenetics:** 17 A3.3

**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. The encoded precursor undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. 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). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.