

Product datasheet for **SC305026**

MMP25 (NM_022468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMP25 (NM_022468) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP25
Synonyms:	MMP-25; MMP20; MMP20A; MMPL1; MT-MMP 6; MT-MMP6; MT6-MMP; MT6MMP; MTMMP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC305026 representing NM_022468.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCGGCTGCGGCTCCGGCTTCTGGCGCTGCTGCTTCTGCTGCTGGCACCGCCGCGCGCCCGAAG
CCCTCGGCGCAGGACGTGAGCCTGGGCGTGGACTGGCTGACTCGTATGGTTACCTGCCCCACCCAC
CCTGCCCAGGCCAGCTGCAGAGCCCTGAGAAGTTGCGCGATGCCATCAAAGTCATGCAGAGGTTGCG
GGGCTGCCGAGACCGGCCGCATGGACCCAGGGACAGTGGCCACCATGCGTAAGCCCGCTGCTCCCTG
CCTGACGTGCTGGGGGTGGCGGGCTGGTCAAGCGGCGTCCGCGTACGCTCTGAGCGGCAGCGTGTGG
AAGAAGCGAACCCCTGACATGGAGGGTACGTTCTTCCCCAGAGCTCCAGCTGAGCCAGGAGACCGTG
CGGGTCTCATGAGCTATGCCCTGATGGCTGGGCGATGGAGTCAAGCCTCACATTTTATGAGGTGGAT
TCCCCCAGGGCCAGGAGCCGACATCCTCATCGACTTTGCCCGCCTTCCACCAGGACAGCTACCCC
TTCGACGGGTTGGGGGACCCCTAGCCCATGCCTTCTCCCTGGGAGCACCCCATCTCCGGGGACT
CACTTTGACGATGAGGAGACCTGGACTTTGGGTCAAAGACGGCGAGGGGACCGACCTGTTTCCGCTG
GCTGTCCATGAGTTTGGCCACGCCCTGGGCTGGGCCACTCCTCAGCCCCAACTCCATTATGAGGCC
TTCTACCAGGGTCCGGTGGGCGACCCCTGACAAGTACCGCCTGTCTCAGGATGACCAGGATGGCCTGCAG
CAACTCTATGGGAAGGCGCCCAAAACCCATATGACAAGCCACAAGAAACCCCTGGCTCCTCCGCC
CAGCCCCCGGCTCGCCACACAGCCATCCTTCCCCATCCCTGATCGATGTGAGGGCAATTTTAC
GCCATCGCAACATCCGAGGGGAACTTCTTCTTCAAAGGCCCTGGTCTGGCGCCTCCAGCCCTCC
GGACAGCTGGTGTCCCGCGACCCGCACGGTGCACCGCTTCTGGGAGGGGCTGCCCGCCAGGTGAGG
GTGGTCCAGGCCCGCTATGCTCGGCACCGAGACGGCCGAATCCTCCTTTAGCGGGCCCCAGTTCTGG
GTGTTCCAGGACCGCAGCTGGAGGGCGGGCGCGCTCACGGAGCTGGGGTCCCCCGGAGAG
GAGGTGGACGCCGTGTTCTCGTGGCCACAGAACGGGAAGACCTACCTGGTCCGCGCCGGCAGTACTGG
CGTACGACGAGGCGGGCGCGCCCGGACCCGGCTACCTCGCGACCTGAGCCTCTGGGAAGGCGCG
CCCCCTCCCCTGACGATGTACCGTCAAGACGAGGTGACACCTACTTCTTCAAGGGCGCCACTAC
TGGCGCTTCCCCAAGAACAGCATCAAGACCGAGCCGGACGCCCCCAGCCATGGGGCCAACTGGCTG
GACTGCCCGCCCGAGCTCTGGTCCCCGCGCCCCAGGCCCCCAAGCGACCCCGTGTCCGAAACC
TGCGATTGTCAGTGCAGCTCAACCAGGCCGAGGACGTTGGCCTGCTCCCATCCCGTGTCTCTTGG
CCCCTGCTGGTGGGGGTAGCCTCCCGTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
```

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022468
- Insert Size:** 1689 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_022468.4](#)

RefSeq Size: 3565 bp

RefSeq ORF: 1689 bp

Locus ID: 64386

UniProt ID: [Q9NPA2](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome

MW: 62.6 kDa

Gene Summary: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily, attached to the plasma membrane via a glycosylphosphatidyl inositol anchor. In response to bacterial infection or inflammation, the encoded protein is thought to inactivate alpha-1 proteinase inhibitor, a major tissue protectant against proteolytic enzymes released by activated neutrophils, facilitating the transendothelial migration of neutrophils to inflammatory sites. The encoded protein may also play a role in tumor invasion and metastasis through activation of MMP2. The gene has previously been referred to as MMP20 but has been renamed MMP25. [provided by RefSeq, Jul 2008]