

Product datasheet for **SC306305**

MMP21 (NM_147191) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMP21 (NM_147191) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMP21
Synonyms:	HTX7; MMP-21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_147191 edited
 GGTACCGCCACCATGCTCGCCGCTCCATCTTCCGTCCGACACTGCTGCTCTGCTGGCTG
 GCTGCTCCCTGGCCACCCAGCCGAGAGTCTTCCACAGCCGGGACCGCTCGGACCTG
 GAGCCGTCCCCTGCGCCAGGCCAAGCCATTGCCGACTCCACGCTGCTCAGCGGTTT
 CTGTCCAGATACGGCTGGTCAGGGGTGTGGCGGCCTGGGGGCCAGTCCCGAGGGGCCG
 CCGGAGACCCCAAGGGCGCCGCTGGCCGAGGCGGTGCGCAGGTTCCAGCGGGCGAAC
 GCGCTGCCGGCCAGCGGGGAGCTGGACGGGCCACCCTAGCGGCCATGAACCGGCCGCGC
 TCGGGGTCCCGACATGCGCCACCGCCCTCCGCCCGCTTCGCCCGGGCCG
 CCCCCAGAGCCGCTCCAGGCGCTCCCGCGGGCGCCGCTGTCCTTGTCCCGGGGGT
 TGGCAGCCCCGGGGTACCCGACGGCGGAGCTGCCAGGCTTCTCAAGAGGACGCTG
 AGCTGGCGGCTGCTGGGCGAGGCCCTGAGCAGCCAAGTGTCCGCGCCGACCGCGGCGC
 ATTGTGGCGTGGCTTCCAGGATGTGGAGCGAGGTGACGCGCTGGACTCCGCGAGGAC
 CTGGCCGCCCCGGGCGCGGTGACATCAAGCTGGGCTTTGGGAGAGGCCGGCACCTG
 GGCTGTCCGCGGCTTCGATGGGAGCGGCGAGGAGTTTGCACACGCTGGCGCTAGGT
 GACATTCATTTGACGACGACGAGCACTTACACCTCCCACAGTGACACGGGCATCAGC
 TTCTCAAGGTGGCCGCTCATGAAATTGGCCATGTCTGGGCTTGCTCACACCTACAGG
 ACGGGATCCATAATGCAACCAAATTACATTCACAGGAGCCTGCCTTTGAGTTGGACTGG
 TCAGACAGGAAAGCAATCAAAAGCTGTATGGCTCCTGTGAGGGATCATTTGATACTGCG
 TTTGACTGGATTTCGAAAAGAGAGAAACCAATATGGAGAGGTGATGGTGAGATTTAGCACA
 TATTTCTCCGTAACAGCTGGTACTGGCTTTATGAAAATCGAAACAATAGGACACGCTAT
 GGGGACCTATCCAAATCCTCACTGGCTGGCTGGAATCCCAACACACAACATAGATGCC
 TTTGTTACATCTGGACATGGAAAAGAGATGAACGTTATTTTTTCAAGGAAATCAATAC
 TGGAGATATGACAGTGACAAGGATCAGGCCCTCACAGAAGATGAACAAGGAAAAAGCTAT
 CCCAAATTGATTTAGAAAGGATTTCTTGGCATCCCAAGTCCCCTAGACACGGCGTTTTAT
 GACCGAAGACAGAAGTTAATTTACTTCTTCAAGGAGTCCCTTGTATTTGCATTTGATGTC
 AACAGAAATCGAGTACTTAATTCTTATCCAAAGAGGATTACTGAAGTTTTTCCAGCAGTA
 ATACCACAAAATCATCTTTTCAAGAAATATAGATTCCGCTTATTACTCCTATGCATACAAC
 TCCATTTTCTTTTCAAAGGCAATGCATACTGGAAGGTAGTTAATGACAAGGACAAACAA
 CAGAATTCCTGGCTTCTGCTAATGGCTTATTTCCAAAAAAGTTATTTTCAAGAGAAGTGG
 TTTGATGTTTGTGACGTCCATATCTCCACTGAACATGTAATAAGAAAAAGTAGGAAAT
 GGAGGTCATAGGACTTCTGCTAAAATTCTGATACTGTTTACAAAGAAAACCGGATTTTCA
 GTAGCTGAAGAAAATATGGCACTGTAAGTTAAACCCAATGGGAAAAGCCTTAGTTGAAC
 TTTTAAAATACTTGATTTAAAAACAATTGCTCAGGCAAAACATAATTCATAAACTAAAAAG
 GTTTAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_147191
- Insert Size:** 1900 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_147191.1](#), [NP_671724.1](#)

RefSeq Size: 1919 bp

RefSeq ORF: 1710 bp

Locus ID: 118856

UniProt ID: [Q8N119](#)

Cytogenetics: 10q26.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the matrix metalloproteinase family. Proteins in this family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, and disease processes, such as asthma and tumor metastasis. The encoded protein may play an important role in embryogenesis, particularly in neuronal cells, as well as in lymphocyte development and survival. [provided by RefSeq, May 2013]