

## Product datasheet for **SC122766**

### MMP23 (MMP23B) (NM\_006983) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MMP23 (MMP23B) (NM\_006983) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MMP23  
**Synonyms:** MIFR; MIFR-1; MMP22; MMP23A  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006983 edited  
GCAGCCCTGAGCCCCACAGCAAGTCTGCCATGGGCCGCGGGGCCCGTGTCCCCTCGGAGG  
CCCCGGGGCAGGCGTCGAGCGCCGCTGGCTTGGAGCCGCGTGGTCCGCTGTGCCTCC  
TCCCCGCGCTGGTGTGCTGGCCCGGCTGGGGGCCCGGCGGTGCCGGCTGGAGCGCAG  
CGCAGGGAGACGTCGCTGCGCTGGGCTCTCGGCGGTCCCCCACC CGGTCCCGGGCC  
CACTGGCCCCCGCAGACGCGCTACACGCTGACTCCAGCCAGGCTGCGTGGGACCACT  
TCAACCTCACCTACAGGATCCTCTCCTTCCCGGGAACCTGCTGAGCCCGCGGGAGACGC  
GGCGGGCCCTAGCTGCCGCTTCCGCATGTGGAGCGACGTGCCCTTCAGCTTCCGCG  
AGGTGGCCCCGAGCAGCCAGCGACCTCCGGATAGGCTTCTACCCGATCAACCACAGG  
ACTGCCTGGTCTCCGCGTGCACCACTGCTTCGACGGCCCCACGGGGAGCTGGCCACG  
CCTTCTTCCCCCGCACGGCGCATCCACTTCGACGACAGCGAGTACTGGGTCTGGGCC  
CCACGCGCTACAGCTGGAAGAAAGGCGTGTGGCTCACGGACCTGGTGCAGTGGCGGCC  
ACGAGATCGGCCACGCGCTGGGCTGATGCACTACAACACGGCCGGGGCTCATGCACC  
TGAACGCCACGCTGCGCGGCTGGAAGGCGTTGTCCAGGACGAGCTGTGGGGGCTGCACC  
GGCTCTACGGATGCTCGACAGGCTGTTCTGTGTGCGCGTCTGGGCGCGGAGGGGCTTCT  
GCGACGCTCGCCGGCGGCTCATGAAGAGGCTTGCCCCAGCAGCTGCGACTTCTGCTACG  
AATTCCCCTTCCCACGGTGGCCACCACCCACCGCCCCCAGGACCAAAACCAGGCTGG  
TGCCCGAGGGCAGGAACGTGACCTTCCGCTGCGGCCAGAAGATCCTCCACAAGAAAGGGA  
AAGTGTACTGGTACAAGGACAGGAGCCCTGGAGTTCTCCTACCCCGGCTACCTGGCCC  
TGGCGAGGGCAGCTGAGCATCATCGCCAACGCGTCAATGAGGGCACCTACACCTGCC  
TGGTGCGCCGCCAGCAGCGCTGCTGACCACCTACTCCTGGCGAGTCCGTGTGCGGGGCT  
GAGCCCGGCTGATAAAGCACTTCTCTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006983 unedited GTAGAGTCGTATTTGTATACGACTCATATAGGCGGCACGCGATTCANATCTGGTACCGGT CCGGAATCCCAGGATGCAGTCCCTGGAGCCCCACAGCAAGTCTGCCATGGGCCGCGG GCCCGTGTCCCCTCGGAGGCCCGGGGGCAGGCGTCGAGCGCCGCTGGCTTGGAGCCGCG CTGGTCGCCCTGTGCCTCCTCCCGCGCTGGTGTCTGGCCCGCTGGGGGCCCCGGCG GTGCCGGCCTGGAGCGCAGCGCAAGGAGACGTCGCTGCGCTGGCCTCTCGGCGGTCCCC CCCACCCGGGTCCCGGGCCCACTGGCCCCCGCAGACGCCGCTACACGCTGACTCCAGCC AGGCTGCGCTGGGACCACTTCAACCTCACCTACAGGATCCTCTCCTTCCCGCGGAACCTG CTGAGCCCGGGAGACGCGCGGGCCCTAGCTGCCGCCTTCCGCATGTGGAGCGACGTG TCCCCCTTCACTTCCGCGAGGTGGCCCCGAGCAGCCAGCGACCTCCGGATAGGCTTC TACCCGATCAACCACACGGACTGCCTGGTCTCCGCGCTGCACCACTGCTTCGACGGCCCC ACGGGGGAGTGGCCACGCCTTCTTCCCCCGCACGGCGGCATCCACTTCGACGACAGC GAGTACTGGGTCCTGAGCCCCACGCGCTACAGCTGGAAGATAGGCGTGTGGCTCACGGAC CTGGTGCACGTGGCGGCCACGAGATCGGCCACGCGCTGGGCTGATGCACTCACAACAC GGCCGGGCGCTCATGCACCTGAACGCCACGCTGCGCGGCTGGAAAGCGGTGTCCCAGAC NAGCTGTGGGGGCTGCACCGGCTACGGATGCCTCGACAGGCTTTCGTGTGCCGCTCC TGGGCCCGGAGGGCCTCTGCGATCTCG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006983
<b>Insert Size:</b>	1287 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006983.1</a> , <a href="#">NP_008914.1</a>
<b>RefSeq Size:</b>	1246 bp
<b>RefSeq ORF:</b>	1173 bp
<b>Locus ID:</b>	8510
<b>UniProt ID:</b>	<a href="#">O75900</a>
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein, Transmembrane

**Gene Summary:**

This gene (MMP23B) encodes a member of the matrix metalloproteinase (MMP) family, and it is part of a duplicated region of chromosome 1p36.3. 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. This gene belongs to the more telomeric copy of the duplicated region. [provided by RefSeq, Jul 2008]