

Product datasheet for **SC213497**

MMP2 (NM_001127891) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MMP2 (NM_001127891) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MMP2
Synonyms: CLG4; CLG4A; MMP-2; MMP-II; MONA; TBE-1
ACCN: NM_001127891
Insert Size: 1279 bp
Insert Sequence: >SC213497 3'UTR clone of NM_001127891
The sequence shown below is from the reference sequence of NM_001127891. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCATCAAATCCGACTGGCTAGGCTGCTGAGCTGGCCCTGGCTCCCACAGGCCCTTCTCTCCACTGCC
TTGCATACACCGGCCTGGAGAAGTACAGAAAGGACCCGGAGGGGCTGGCAGCCGTGCCTTCAGCTCTA
CAGCTAATCAGCATTCTCACTCCTACCTGGTAATTTAAGATTCCAGAGAGTGGCTCCTCCCGGTGCCCA
AGAATAGATGCTGACTGTACTCCTCCCAGGCGCCCTTCCCCCTCCAATCCCACCAACCCTCAGAGCCA
CCCCTAAAGAGATACTTTGATATTTTCAACGCAGCCCTGCTTTGGGCTGCCCTGGTGTGCCACACTTC
AGGCTCTTCTCCTTTCAACCTTCTGTGGCTCACAGAACCCTTGGAGCCAATGGAGACTGTCTCAAGA
GGGCACTGGTGGCCCGACAGCCTGGCACAGGGCAGTGGGACAGGGCATGGCCAGGTGGCCACTCCAGAC
CCCTGGCTTTTCACTGCTGGCTGCCTTAGAACCTTTCTTACATTAGCAGTTTGTCTTGTATGCCTTTG
TTTTTTTCTTTGGTCTTGTTTTTTTTTTCCACTTAGAAATTGCATTTCTGACAGAAGGACTCAGGTT
GTCTGAAGTCACTGCACAGTGCATCTCAGCCACATAGTATGGTTCCCCTGTTCACTCTACTTAGCAT
GTCCCTACCGAGTCTTCTCCACTGGATGGAGAAAACCAAGCCGTGGCTTCCCCTCAGCCCTCCCT
GCCCTCCCTTCAACCATTCCCCATGGGAAATGTCAACAAGTATGAATAAAGACCTACTGAGTGGCC
GTGTTTGGCATCTGTTTTAGCAGAGCCTAGACAAGGGCCACAGACCCAGCCAGAAGCGGAAACTTAAAA
AGTCCGAATCTCTGCTCCCTGCAGGGCAGAGGTGATGGTGTCTGTGAAAGGTGAGGCTTCCAAAGT
AAACAGCAAGAGAACCTCAGGGAGAGTAAGCTCTAGTCCCTCTGTCTGTAGAAAGAGCCCTGAAGAAT
CAGCAATTTTGTGCTTTATTGTGGCATCTGTTGAGGTTTGTCTCTCTTAAAGTCTGTTTCTTCATT
AGCAATCATATCAGTTTTAATGCTACTACTAACAATGAACAGTAACAATAATATCCCCCTCAATTAATA
GAGTGTCTTCTATGTGCAAGCACTTTTACGTGTCACCTATTTTAACTTTTCAACCACATAAAATAAA
AAAGGCCATTATTAGTTGAATCTTATTGATGAAGAGA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001127891.3</u>
Summary:	This gene is a member of the matrix metalloproteinase (MMP) gene family, that are zinc-dependent enzymes capable of cleaving components of the extracellular matrix and molecules involved in signal transduction. The protein encoded by this gene is a gelatinase A, type IV collagenase, that contains three fibronectin type II repeats in its catalytic site that allow binding of denatured type IV and V collagen and elastin. Unlike most MMP family members, activation of this protein can occur on the cell membrane. This enzyme can be activated extracellularly by proteases, or, intracellularly by its S-glutathiolation with no requirement for proteolytical removal of the pro-domain. This protein is thought to be involved in multiple pathways including roles in the nervous system, endometrial menstrual breakdown, regulation of vascularization, and metastasis. Mutations in this gene have been associated with Winchester syndrome and Nodulosis-Arthropathy-Osteolysis (NAO) syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]
Locus ID:	4313
MW:	47.9