

Product datasheet for **SC213498**

MMP2 (NM_004530) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MMP2 (NM_004530) Human 3' UTR Clone
Symbol:	MMP2
Synonyms:	CLG4; CLG4A; MMP-2; MMP-II; MONA; TBE-1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004530
Insert Size:	1279 bp



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Insert Sequence: >SC213498 3'UTR clone of NM_004530
 The sequence shown below is from the reference sequence of NM_004530. 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
AGCATCAAATCCGACTGGCTAGGCTGCTGAGCTGGCCCTGGCTCCACAGGCCCTTCTCTCCACTGCC
TTCGATACACCGGGCCTGGAGAAGTAGAGAAGGACCCGGAGGGGCTGGCAGCCGTGCCTTCAGCTCTA
CAGCTAATCAGCATTCTCACTCCTACCTGGTAATTTAAGATTCCAGAGAGTGGCTCTCCCGGTGCCCA
AGAATAGATGCTGACTGTACTCTCCAGGCGCCCTTCCCCCTCCAATCCCACCAACCCTCAGAGCCA
CCCCTAAAGAGATACTTTGATATTTTCAACGCAGCCCTGCTTTGGGCTGCCCTGGTGTGCCACACTTC
AGGCTCTTCTCTTTCAACACCTTCTGTGGCTCACAGAACCTTGGAGCCAATGGAGACTGTCTCAAGA
GGGCACTGGTGGCCCGACAGCCTGGCACAGGGCAGTGGGACAGGGCATGGCCAGGTGGCCACTCCAGAC
CCCTGGCTTTTCACTGCTGGCTGCCTTAGAACCTTCTTACATTAGCAGTTTGCTTTGTATGCACCTTG
TTTTTTCTTTGGGTCTTGTTTTTTTTTTCCACTTAGAAATTGCATTTCCCTGACAGAAGGACTCAGGTT
GTCTGAAGTCACTGCACAGTGCATCTCAGCCCACATAGTGATGGTTCCCTGTCTCACTCTACTTAGCAT
GTCCCTACCGAGTCTCTTCTCCACTGGATGGAGGAAAACCAAGCCGTGGCTTCCCCTCAGCCCTCCCT
GCCCTCCCTTCAACCATTCCCCATGGGAAATGTCAACAAGTATGAATAAAGACACCTACTGAGTGGCC
GTGTTTGGCCATCTGTTTTAGCAGAGCCTAGACAAGGGCCACAGACCCAGCCAGAAGCGGAAACTTAAAA
AGTCCGAATCTCTGCTCCCTGCAGGGCAGAGGTGATGGTGTCTGCTGGAAAGGTGAGGCTTCCAAAGT
AAACAGCAAGAGAACCTCAGGGAGAGTAAGCTCTAGTCCCTCTGCTCTTAAAGTCTGTTTCTTCATT
CAGCAATTTTGTGCTTTAATGCTACTACTAACAATGAACAGTAACAATAATATCCCCCTCAATTAATA
GAGTGCTTTCTATGTGCAAGGCACCTTTTACGTGTCACCTATTTTAACTTTTCAACCACATAAATAAAA
AAAGGCCATTATTAGTTGAATCTTATTGATGAAGAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-MluI

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: [NM_004530.6](#)

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