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Product datasheet for MC209740

Mmp23 (NM_011985) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp23 (NM_011985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mmp23
Synonyms:	CA-M; CA-MMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC209740 representing NM_011985
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTGCCGGGCCTGTCTCCGTCCGGAGGCGTCCGGCGCGGTACAGGGCCGCTGGTTGGGGGCTGCCC
TGAGCGGGTTGTGCCTTCTCTCCGCGTTGGCGTTGCTGGAGTGGCTAGGGGCGCCGACCGAGACCGCCTG
GAGGGCAGCTCAGGGAAATGTAGATGCGCCAAATGTGGGCAGCTCCACTGCCCAGGTACCCAGACTGTTG
ACCATGTCGGTAACCCGAAGACGCCGCTACACGCTGACACCGGCCAGGCTGCGCTGGGACCACTTCAACC
TCACATACAGAGTTCTTTCCTTCCCCCGGAATCTTTTAAGCCCGGAAGAGACGCGAAGGGGCCTGGCTGC
TGCCTTTCGAATGTGGAGTGATGTTTCCCCATTCAGTTTCCGTGAGGTGGCCCCTGAACGTCCCAGTGAC
CTCAAGATAGGTTTCTACCCAGTCAACCACACCGACTGCTTGGTCTCTGCAGTGCACCACTGCTTTGATG
GTCCCACAGGTGAACTGGCCCACGCTTTCTTCCCACCCCACGGTGGCATTCACTTTGATGACAGCGAGTA
CTGGGTCTTGGGCCCCACACGCTACAGTTGGAAGAAAGGTGTTTGGCTCACAAACCTGGTGCACGTGGCA
GCCCATGAGATTGGCCATGCACTGGGCCTGATGCACTCACAGCAAGATCAGGCGCTCATGCACCTCAATG
CCACATTGCGAGGCTGGAAGGCACTGTCCCAGGATGAACTGTGGGGGTTACACCGACTCTATGGCTGCCT
GGACCGGATTTTTGTGTGTGCATCCTGGGCACGAAAGGGATTTTGTGATGTCCGCCAGAGGCTCATGAAG
AGGCTCTGCCCCAGAAGCTGTGATTTCTGTTATGAATTCCCATTTCCCACGGTGGCCACCACCACATCAC
CCACCAGAACGAAAACAAGGTTGGTGAGAGAGGGTAGGAACATGACCTTCCACTGTGGACAGAAGATCCT
ACACAAGAAAGGGAAAGTATACTGGTACAAGGACCAGGAACCCCTGGAGTTCTCCTACCCTGGCTATCTG
GCCCTGGGTGAGGCACAGCTGAGCATCATTGCCAACGCAGTCAACGAAGGCACCTACACATGTGTGGTAC
GCCGGCACCAGCGTGTTCTCAGCACCTACTCCTGGAGGGTCCGAGTGAGGAATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_011985
Insert Size:	1176 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_011985.3, NP_036115.1
RefSeq Size:	1446 bp
RefSeq ORF:	1176 bp
Locus ID:	26561
UniProt ID:	O88676
Cytogenetics:	4 E2
Gene Summary:	This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded protein contains an N-terminal cysteine array and a novel immunoglobulin-fold domain at the C-terminus. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

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