

## Product datasheet for MR227350

### Mmp7 (NM\_010810) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp7 (NM_010810) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp7
Synonyms:	MA; MAT; MMP-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227350 representing NM_010810 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCAGCTATGCAGCTCACCTGTTCTGCTTTGTGTCTGCTGCCAGGCCACCTGGCCCTGCCACTGTCCCAGGAAGCTGGAGATGTGAGCGCACATCAGTGGGAACAGGCTCAGAATTATCTTAGAAAAATTTACCCTCATGACTCTAAAACAAAGAAGGTCAATAGTCTAGTGGACAACCTCAAGGAAATGCAGAAGTTCTTTGGCTGCCCCATGACTGAAAACCTCTCCCCACATCATGAAATAATGCAGAAACCTAGGTGTGGAGTGCCAGATGTTGCAGAATACTCACTAATGCCAAACAGTCCAAAATGGCATTCCAGAATTGCACCTACAGAATTGTATCCTATACTTCAGACTTACCTCGGATCGTAGTGGATCAAATCGTGAAAAAGCTCTCAGAATGTGGAGTATGCAGATCCCCTGAACCTCAAGAGGGTTAGTTGGGGGACTGCGGATATCATAATTGGCTTCGCAAGGAGAGATCATGGAGACAGCTTCCCCTTTGATGGGCCAGGGAACACTTAGGTTCATGCCTTCGCACCTGGGCCAGGCTAGGCGGAGATGCTCACTTTGACAAGGATGAGTACTGGACTGATGGTGAGGACGCAGGAGTGAATTCCTGTTTGCTGCCACCCATGAATTTGGCCACTCTCTGGGTCTGAGTCACTCTTCTGTTCCCGGTACTGTGATGTACCCTACCTATCAAAGAGACTACTCAGAAGACTTCAGTCTTACAAGGACGACATTGCAGGCATTCAGAAGTTATATGAAAAGAGGAACACGCTG

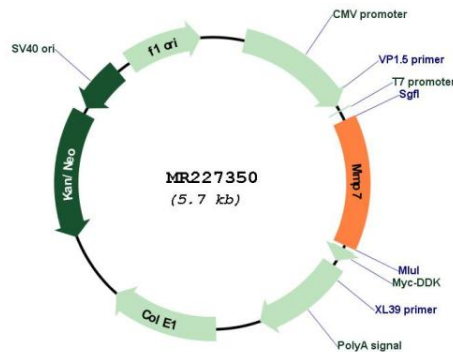
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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<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>	<u>NM_010810.5, NP_034940.2</u>
<b>RefSeq Size:</b>	878 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	17393
<b>Cytogenetics:</b>	9 2.46 cM
<b>MW:</b>	30.5 kDa
<b>Gene Summary:</b>	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 preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. Mice lacking the encoded protein are deficient in functional cryptidins. This gene is located in a cluster of other matrix metalloproteinase genes on chromosome 9. [provided by RefSeq, Feb 2016]

**Product images:**


Circular map for MR227350