

## Product datasheet for **MC219253**

### Mmp14 (NM\_008608) Mouse Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Mmp14 (NM_008608) Mouse Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | Mmp14   |
| Synonyms:                 | AI325305; MMP-X1; MT-MMP-1; MT1-MM; MT1-MMP; sa; sabe   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Restriction Sites:        | Sgfl-MluI   |
| ACCN:                     | NM_008608   |
| Insert Size:              | 1749 bp   |
| OTI Disclaimer:           | 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).  |
| 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:    | <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> |
| Note:                     | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.  |
| RefSeq:                   | <a href="#">NM_008608.4</a> , <a href="#">NP_032634.3</a>   |


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RefSeq Size: 3801 bp

RefSeq ORF: 1749 bp

Locus ID: 17387

UniProt ID: [P53690](#)

Cytogenetics: 14 27.79 cM

**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 preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. Mice lacking the encoded protein exhibit craniofacial dysmorphism, arthritis, osteopenia, dwarfism, and fibrosis of soft tissues. [provided by RefSeq, Feb 2016]