

## 32-7344: Recombinant Human Matrix Metalloproteinase-3/MMP-3 (C-6His)

**Gene :** MMP3  
**Gene ID :** 4314  
**Uniprot ID :** P08254

### Description

Source: Human Cells.  
MW :53.26kD.

Recombinant Human Matrix Metalloproteinase-3 is produced by our Mammalian expression system and the target gene encoding Tyr18-Cys477 is expressed with a 6His tag at the C-terminus. MMP3 is a member of the matrix metalloproteinase (MMP) family whose members are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes including arthritis and metastasis. The MMP-3 enzyme degrades collagen types II, III, IV, IX, and X, proteoglycans, fibronectin, laminin, and elastin. In addition, MMP-3 can also activate other MMPs such as MMP-1, MMP-7, and MMP-9, rendering MMP-3 crucial in connective tissue remodeling.[3] The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 0.05% Brij35, 10% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** YPLDGAARGEDTSMNLVQKYLENYYDLEKDVKQFVRRKDSGPVVKKIREMQKFLGLEVTGKLDSDTLEVMRKP  
RCGVDPDVGHFRFTFPGIPKWRKTHLTYRIVNYTPDLPKDAVDSAVEKALKVWEEVPTLTFSRLYEGEADIMISFAV  
REHGDFYPFDGPGNVLAHAYAPGPGINGDAHFDDEQWTKDTTGTNLFLVAAHEIGHSLGLFHSANTEALMY  
PLYHSLDLTRFRLSQDDINGIQSLYGPPDSPETPLVPTEPVPEPGTPANCDPALSFDVAVSTLRGEILIFKDRHF  
WRKSLRKLPELHLISSFWPSLPSGVDAAYEVTSKDLVFIFKGNQFWAIRGNEVRAGYPRGIHTLGFPTVRKID  
AAISDKEKNKTYFFVEDKYWRFDEKRNSMEPGFPPKQIAEDFPGIDSKIDAVFEFEFGFFYFFTGSSQLEFDPNAKK  
VTHTLKSNSWLNCDVDDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.