

## 32-7591: Recombinant Mouse Macrophage Metalloelastase/MMP12 (C-6His)

**Gene :** Mmp12

**Gene ID :** 17381

**Uniprot ID :** P34960

### Description

Source: Human Cells.

MW :53kD.

Recombinant Mouse Matrix Metalloproteinase 12 is produced by our Mammalian expression system and the target gene encoding Ala29-Cys473 is expressed with a 6His tag at the C-terminus. Matrix metalloproteinase-12(MMP12) is a secreted protein. It contains 4 hemopexin repeats and belongs to the peptidase M10A family. MMP12 may be involved in tissue injury and remodeling and have significant elastolytic activity. It can accept large and small amino acids at the P1' site, but has a preference for leucine. Aromatic or hydrophobic residues are preferred at the P1 site, with small hydrophobic residues (preferably alanine) occupying P3.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of PBS, pH7.4.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** APMNDSEFAEWYLSRFYDYGKDRIPMTKTKTNRNFLKEKLQEMQFFGLEATGQLDNSTLAIMHIPRCGVDPV  
QHLRAVPQRSRWMKRYLTYRIYNYTPDMKREDVDYIFQKAFQVWSDVTPLRFRKLHKDEADIMILFAFGAHGD  
FNYFDGKGGTLAHAFYPGPGIQGDAHFDFAETWTKSFQGTNLFVAVHELGHSLGLQHSNNPKSIMYPTYRYL  
NPSTFRLSADDIRNIQSLYGAPVKPPSLTKPSSPPSTFCHQSLSFDAVTTVGEKIFFFKDWFFWWKLPGSPATNIT  
SISSIWPSIPSGIQAAYEIESRNQLFLFKDEKYWLINNLVPEPHYPRSIYSLGFSASVKKVDAAVFDPLRQKVYFFV  
DKHYWRYDVRQELMDPAYPKLISTHFPGIKPKIDAVLYFKRHYYIFQGAYQLEYDPLFRRVTKLTKSTSWFGCVD  
HHHHHH

### Application Note

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