



Recombinant Protein Technical Manual  
Recombinant Mouse MMP12/MMP2/HME Protein  
(His Tag)  
RPES2213

### Product Data:

**Product SKU:** RPES2213

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** P34960

### Protein Information:

**Molecular Mass:** 53 kDa

**AP Molecular Mass:** 64 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

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

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

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

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Macrophage metalloelastase;MME;Matrix metalloproteinase2;MMP2;Mmp12;Mme; Mmel

## Immunogen Information:

**Sequence:** Ala29-Cys473

## Background:

Matrix metalloproteinase2 (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.