

**MMP-1, human recombinant protein****Matrix metalloproteinase-1MMP recombinant, MMP protein, MMP inhibitor****Catalog # PBV11350r****Specification**

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**MMP-1, human recombinant protein - Product info**

Primary Accession [P03956](#)  
Calculated MW **19.9 kDa KDa**

**MMP-1, human recombinant protein - Additional Info**

Gene ID **4312**  
Gene Symbol **MMP1**

**Other Names**

Interstitial collagenase, Interstitial collagenase , Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1

Gene Source **Human**  
Source **E.coli**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **HPLC; ≥95%**  
Recombinant **Yes**

**Application Notes**

Reconstitute in sterile PBS to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

**Format**

Lyophilized powder

**Storage**

-20°C; Lyophilized with no additives

**MMP-1, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MMP-1, human recombinant protein - Images****MMP-1, human recombinant protein - Background**

Active MMP-1 catalytic domain from human cDNA, expressed in E.coli and purified using proprietary technologies. The active MMP-1 protein is very useful in studying enzyme kinetics, cleave target substrates, and screen for inhibitors, etc.

#### **MMP-1, human recombinant protein - References**

Templeton N.S.,et al.Cancer Res. 50:5431-5437(1990).

Whitham S.E.,et al.Biochem. J. 240:913-916(1986).

Goldberg G.I.,et al.J. Biol. Chem. 261:6600-6605(1986).

Lin D.,et al.Submitted (DEC-1996) to the EMBL/GenBank/DDBJ databases.

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