

### Recombinant human MMP3 protein (Active) ab96555

[3 References](#) [1 图像](#)

#### 描述

<b>产品名称</b>	重组人MMP3蛋白(Active)
<b>生物活性</b>	ab96555 activity was measured by its ability to cleave a chromogenic peptide MMP3 substrate at room temperature.  At a MMP3 concentration of 2.5 µg/ml, 50% cleavage was achieved at an incubation time of approximately 75 minutes.
<b>纯度</b>	>= 98 % SDS-PAGE. >=98% HPLC analyses.
<b>内毒素水平</b>	< 1.000 Eu/µg
<b>表达系统</b>	Escherichia coli
<b>Accession</b>	<b><u>P08254</u></b>
<b>蛋白长度</b>	Full length protein
<b>无动物成分</b>	No
<b>性质</b>	Recombinant
<b>种属</b>	Human
<b>序列</b>	<pre> MRTFPGIPKW RKTHLTYRIV NYTPDLPKDA VDSAVEKALK VWEEVTPLTF SRLYEGEADI MISFAVREHG DFYFPDGPNG VLAHAYAPGP GINGDAHFDG DEQWTKDGTG TNLFLVAAHE IGHSLGLFHS ANTEALMYPL YHSLDLTRF RLSQDDINGI QSLYGPPPDG PETPLVPTEP VPPEPGTPAN CDPALSFDAV STLRGEILIF KDRHFWRKSL RKLEPELHLI SSFWPSLPSG VDAAYEVTSK DLVFIKGNQ FWAIRGNEVR AGYPRGIHTL GFPPTVRKID AAISDKEKNK TYFFVEDKYW RFDEKRNSME PGFPKQIAED FPGIDSKIDA VFEEFGFFYF FTGSSQLEFD PNAKKVTHTL KSNSWLNC           </pre>
<b>预测分子量</b>	43 kDa
<b>氨基酸</b>	101 to 477

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab96555** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>应用</b>	HPLC SDS-PAGE Functional Studies Western blot
<b>形式</b>	Lyophilized

## 制备和贮存

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**稳定性和存储** Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C..

Constituents: 0.00111% Calcium chloride, 0.164% Sodium phosphate, 0.1% CHAPS, 0.002% EDTA disodium salt

This product is an active protein and may elicit a biological response in vivo, handle with caution.

**复溶** Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5-1.0 mg/ml. Do not vortex.

## 常规信息

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**功能** Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase.

**序列相似性** Belongs to the peptidase M10A family.  
Contains 4 hemopexin-like domains.

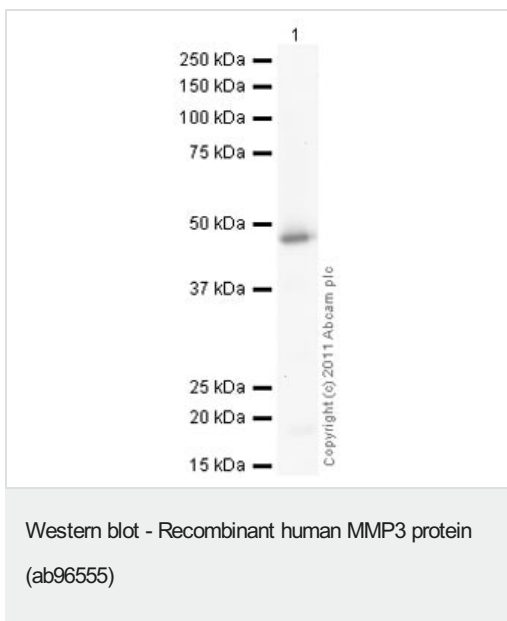
**结构域** The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.

**细胞定位** Secreted > extracellular space > extracellular matrix.

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## 图片

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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