

### Recombinant human TIMP1 protein ab82104

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#### 製品の詳細

製品名	Recombinant human TIMP1 protein
生理活性	Biological Activity : TIMP1 activity was measured by its ability to inhibit human MMP1 induced hydrolysis of a chromogenic peptide substrate at room temperature. Half maximal inhibition was obtained at a TIMP1 concentration of approximately 0.5 µg/ml, when using an MMP1 concentration of 1.6 µg/ml.
精製度	> 95 % SDS-PAGE. Purity is greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	CTCVPPHPQT AFCNSDLVIR AKFVGTPPEVN QTTLYQRYEI KMTKMYKGFQ ALGDAADIRF VYTPAMESVC GYFHRSHNRS EEFLIAGKLQ DGLLHITTCS FVAPWNSLSL AQRGFTKTY TVGCEECTVF PCLSIPCKLQ SGTHCLWTDQ LLQGSEKGFQ SRHLACLPRE PGLCTWQSLR SQIA

#### 特性

Our **Abpromise guarantee** covers the use of **ab82104** in the following tested applications.

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

アプリケーション	Functional Studies SDS-PAGE Western blot
製品の状態	Lyophilized
備考	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex (can be stored at 4C for up to 1 week). For extended storage, it is recommended to further dilute in a buffer containing a carrier protein

(example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

## 前処理および保存

### 保存方法および安定性

Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please see notes section.

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

### 再構成

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## 関連情報

### 機能

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13 and MMP-16. Does not act on MMP-14.

### 配列類似性

Belongs to the protease inhibitor I35 (TIMP) family.

Contains 1 NTR domain.

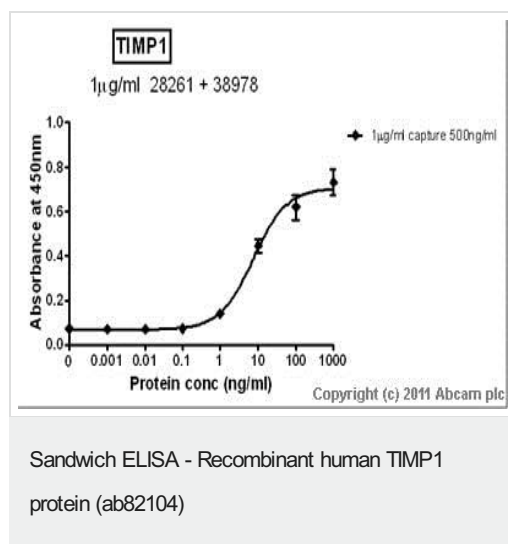
### 翻訳後修飾

The activity of TIMP1 is dependent on the presence of disulfide bonds.

### 細胞内局在

Secreted.

## 画像





Western blot - Recombinant human TIMP1 protein  
(ab82104)

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

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