

Recombinant human TIMP1 protein ab82104

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描述

产品名称	重组人TIMP1蛋白
生物活性	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.
纯度	> 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).
表达系统	Escherichia coli
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	CTCVPPHPQT AFCNSDLVIR AKFVGTPEVN QTTLYQRYEI KMTKMYKGFQ ALGDAADIRF VYTPAMESVC GYFHRSHNRS EEFLIAGKLQ DGLLHITTCS FVAPWNSLSL AQRRTGFTKTY TVGCEECTVF PCLSIPCKLQ SGTHCLWTDQ LLQGSEKGFQ SRHLACLPRE PGLCTWQSLR SQIA

技术指标

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.

应用	Functional Studies SDS-PAGE Western blot
形式	Lyophilized
补充说明	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 -20C to -80C.

制备和贮存

稳定性和存储

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.

复溶

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 -20C to -80C.

常规信息

功能

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.

序列相似性

Belongs to the protease inhibitor I35 (TIMP) family.
Contains 1 NTR domain.

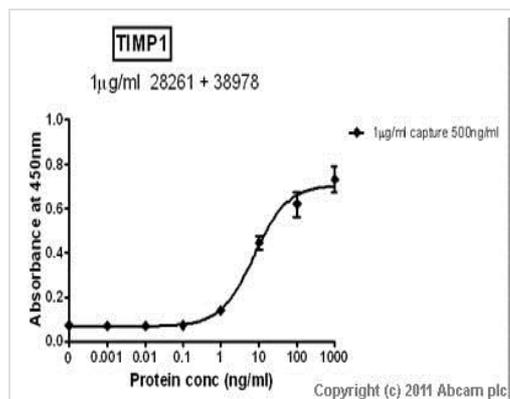
翻译后修饰

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

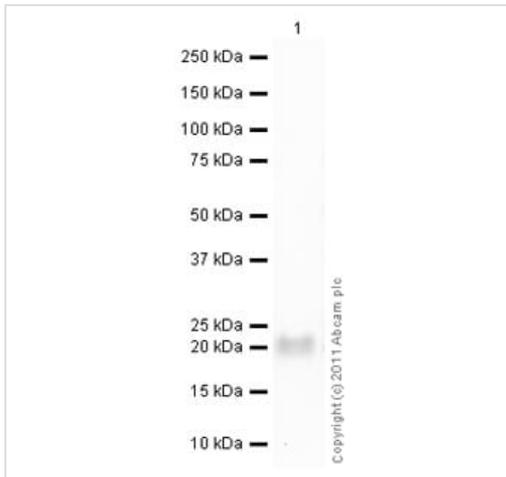
细胞定位

Secreted.

图片



Sandwich ELISA - Recombinant human TIMP1 protein (ab82104)



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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