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Datasheet for ABIN7320662

TIMP1 Protein

1 Image

Overview

Quantity:	50 µg
Target:	TIMP1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse TIMP1/TIMP Protein
Sequence:	Cys25-Arg205
Characteristics:	Recombinant Mouse Tissue Inhibitors of Metalloproteinases 1 is produced by our Mammalian expression system and the target gene encoding Cys25-Arg205 is expressed.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TIMP1
Alternative Name:	TIMP1/TIMP (TIMP1 Products)
Background:	Background: Mouse Tissue Inhibitor of Metalloproteinases 1 (TIMP-1) is a member of TIMP family. The homologous proteins of TIMPs regulate the activity of matrix metalloproteinases (MMPs), including inhibition of active MMPs, proMMP activation, cell growth promotion, matrix binding, inhibition of angiogenesis and the induction of apoptosis. Timp-1 complexes with

Target Details

metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. It 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. It is 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, without MMP-14.

Synonym: Metalloproteinase Inhibitor 1, Erythroid-Potentiating Activity, EPA, Fibroblast collagenase Inhibitor, Collagenase Inhibitor, Tissue Inhibitor of Metalloproteinases 1, TIMP-1, TIMP1, CLGI, TIMP

Molecular Weight: 20.2 kDa

UniProt: [P12032](#)

Application Details

Restrictions: For Research Use only

Handling

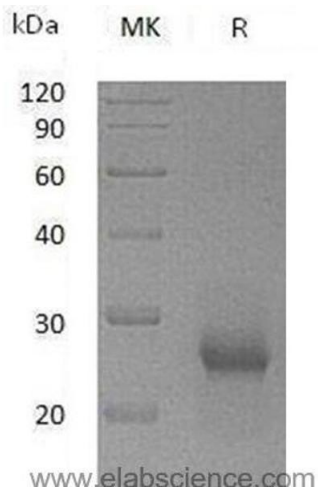
Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.