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Datasheet for ABIN7505362

**TIMP1 Protein (AA 28-205) (His tag)**

## Overview

Quantity:	100 µg
Target:	TIMP1
Protein Characteristics:	AA 28-205
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP1 protein is labelled with His tag.

## Product Details

Sequence:	Pro28-Arg205
Characteristics:	A DNA sequence encoding the Mouse TIMP1 (P12032-1) (Pro28-Arg205) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>80 % as determined by reducing SDS-PAGE.

## Target Details

Target:	TIMP1
Alternative Name:	TIMP1 ( <a href="#">TIMP1 Products</a> )
Background:	Background: Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14 (By similarity). Also functions

## Target Details

as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling.

Synonym: Metalloproteinase inhibitor 1,Collagenase inhibitor 16C8 fibroblast,Erythroid-potentiating activity,EPA,TPA-S1,TPA-induced protein,Tissue inhibitor of metalloproteinases 1,TIMP-1,Timp, Timp-1

Molecular Weight: 19.88 kDa

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

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.

Expiry Date: 12 months