

Datasheet for ABIN7275738

**TIMP1 Protein (AA 24-207) (Fc Tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	TIMP1
Protein Characteristics:	AA 24-207
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP1 protein is labelled with Fc Tag.

## Product Details

Purpose:	Human TIMP1 Protein
Sequence:	Cys24-Ala207
Characteristics:	Recombinant Human TIMP1 Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Cys24-Ala207.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	TIMP1
Alternative Name:	TIMP1 ( <a href="#">TIMP1 Products</a> )

## Target Details

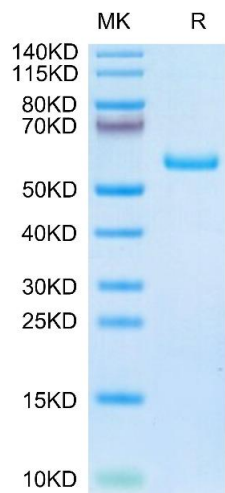
Background:	Tissue inhibitor of metalloprotease-1 (TIMP-1) is a tissue inhibitor of matrix metalloproteinases (MMPs). It however exerts multiple effects on biological processes, such as cell growth, proliferation, differentiation and apoptosis, in an MMP-independent manner.
Molecular Weight:	47.01 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">NP_003245</a>

## Application Details

Restrictions:	For Research Use only
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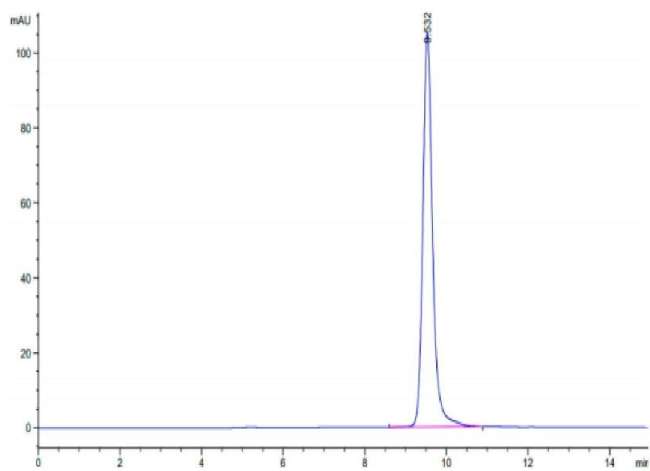
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Human TIMP1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human TIMP1 is greater than 95 % as determined by SEC-HPLC.