

Datasheet for ABIN7275741

TIMP2 Protein (AA 27-220) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	TIMP2
Protein Characteristics:	AA 27-220
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP2 protein is labelled with His tag.

Product Details

Purpose:	Mouse TIMP-2 Protein
Sequence:	Cys27-Pro220
Characteristics:	Recombinant Mouse TIMP-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys27-Pro220.
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:	TIMP2
Alternative Name:	TIMP-2 (TIMP2 Products)

Target Details

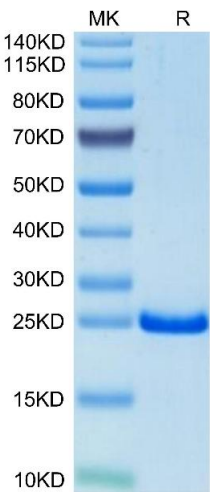
Background:	Tissue inhibitors of metalloproteinases or TIMPs are a family of proteins that regulate the activation and proteolytic activity of the zinc enzymes known as matrix metalloproteinases (MMPs).TIMP-2 is a non N-glycosylated protein with a molecular mass of 22 kDa produced by a wide range of cell types, which inhibits MMPs non-covalently by the formation of binary complexes. TIMP-2 also has erythroid-potentiating and cell growth promoting activities.
Molecular Weight:	22.8 kDa. Due to glycosylation, the protein migrates to 24-26 kDa based on Tris-Bis PAGE result.
UniProt:	P25785
Pathways:	cAMP Metabolic Process

Application Details

Restrictions:	For Research Use only
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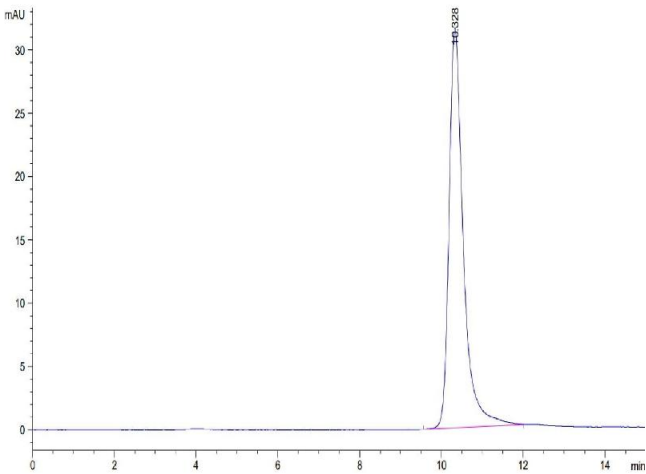
Handling

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. Mouse TIMP-2 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 Mouse TIMP-2 is greater than 95 % as determined by SEC-HPLC.