

# Mouse TIMP-1 Protein, Ultra Low Endotoxin

Cat. No. TIM-MM201-UL

## Description

|                         |   |
|-------------------------|---|
| <b>Source</b>           | Recombinant Mouse TIMP-1 Protein is expressed from HEK293 with hFc (IgG1) tag at the N-Terminus.<br>It contains Cys25-Arg205.       |
| <b>Accession</b>        | P12032  |
| <b>Molecular Weight</b> | The protein has a predicted MW of 46.38 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.   |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC   |

## Formulation and Storage

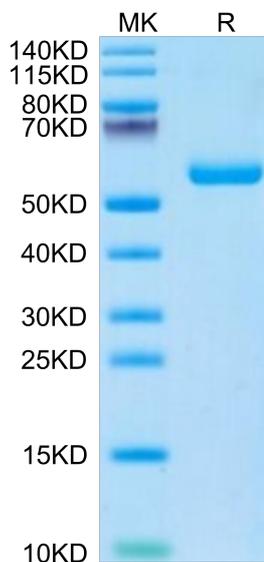
|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.   |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Tissue inhibitor of metalloproteinase-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.

## Assay Data

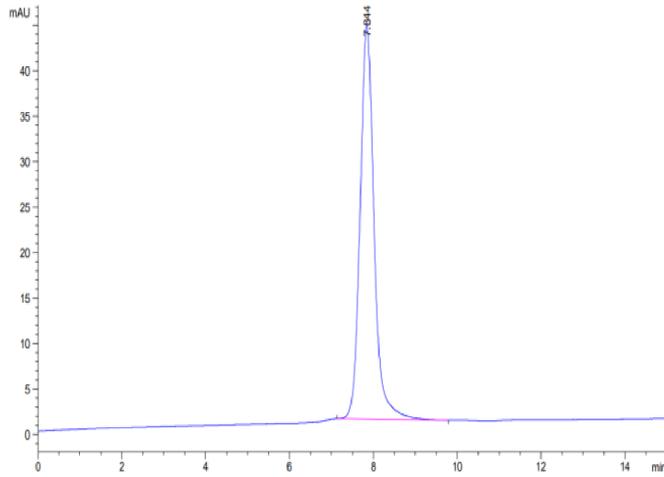
### Bis-Tris PAGE



Mouse TIMP-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Mouse TIMP-1 is greater than 95% as determined by SEC-HPLC.