

## Active Recombinant Human TIMP2 protein, His-tagged, Low Endotoxin

**Cat. No.** TIMP2-448H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TIMP2 protein(P16035)(27-220 aa), fused with C-terminal His tag, was expressed in HEK293.                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                              |
| <b>ProteinLength</b>    | 27-220 aa                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                      |
| <b>Bio-activity</b>     | Immobilized Human Human TIMP-2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TIMP-2 Antibody, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 22.9 kDa. Due to glycosylation, the protein migrates to 24-26 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; > 95% as determined by HPLC                                                                                                                   |
| <b>Storage</b>          | Store at -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** TIMP2 TIMP metalloproteinase inhibitor 2 [ Homo sapiens ]

**Official Symbol** TIMP2

**Synonyms** TIMP2; TIMP metalloproteinase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K;

**Gene ID** 7077

**mRNA Refseq** NM\_003255

**Protein Refseq** NP\_003246

**MIM** 188825

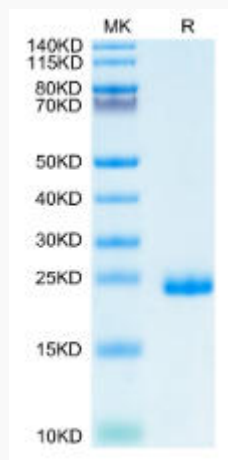
**UniProt ID** P16035

 Tel: 1-631-559-9269 1-516-512-3133

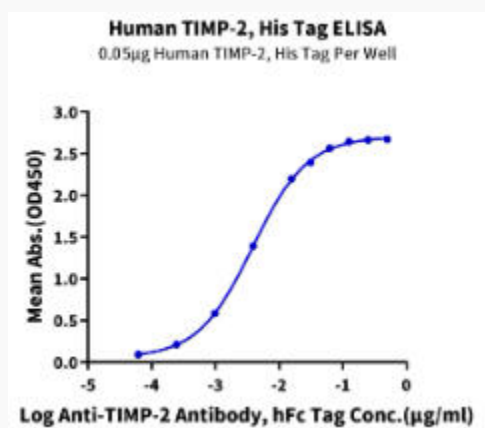
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## Bis-Tris PAGE



## ELISA Data



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA