

## Recombinant Human TIMP4 protein, GST-tagged

**Cat. No.** TIMP4-3111H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TIMP4 protein(116-175 aa), fused with N-terminal GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 116-175 aa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | LTGQVLSDGKVFHLCNYIEPWEDLSLVQRESLNHHYHLNCGCQITTCYTPCTISAPNE                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | 85%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                        |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                                                                                                                                     |

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0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

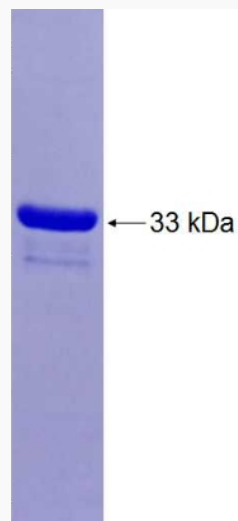
|                        |                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TIMP4 TIMP metalloproteinase inhibitor 4 [ Homo sapiens ]                                                                                                            |
| <b>Official Symbol</b> | TIMP4                                                                                                                                                                |
| <b>Synonyms</b>        | TIMP4; TIMP metalloproteinase inhibitor 4; tissue inhibitor of metalloproteinase 4; metalloproteinase inhibitor 4; TIMP-4; tissue inhibitor of metalloproteinases 4; |
| <b>mRNA Refseq</b>     | NM_003256                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_003247                                                                                                                                                            |
| <b>MIM</b>             | 601915                                                                                                                                                               |
| <b>UniProt ID</b>      | Q99727                                                                                                                                                               |
| <b>Gene ID</b>         | 7079                                                                                                                                                                 |

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## SDS-PAGE



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