

## Recombinant Mouse Timp1 Protein (Cys25-Arg205)

**Cat. No.** Timp1-6825M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mouse TIMP1 (Cys25-Arg205) without tag was expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Cys25-Arg205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Predicted to enable several functions, including cytokine activity; metalloendopeptidase inhibitor activity; and zinc ion binding activity. Acts upstream of or within connective tissue replacement involved in inflammatory response wound healing. Located in basement membrane. Is expressed in several structures, including early conceptus; hindlimb cartilage condensation; jaw; reproductive system; and skeletal system. Orthologous to human TIMP1 (TIMP metallopeptidase inhibitor 1). |
| <b>Form</b>             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 19.91 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

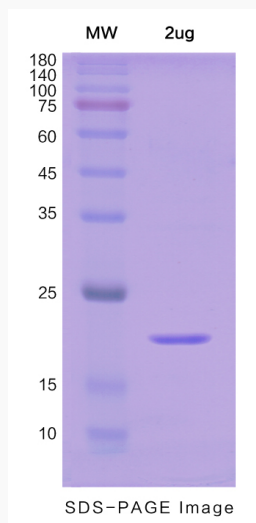
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|                         |                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.                                                               |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS or lyophilized from PBS.                                                                                                                                                                                             |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                                   |
| <b>Shipping</b>         | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                                                                                        |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                       |
| <b>Gene Name</b>        | Timp1 tissue inhibitor of metalloproteinase 1 [ Mus musculus (house mouse) ]                                                                                                                                                                          |
| <b>Official Symbol</b>  | Timp1                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | Timp1; tissue inhibitor of metalloproteinase 1; EPA; Clgi; Timp; TIMP-1; TPA-S1; metalloproteinase inhibitor 1; TPA-induced protein; collagenase inhibitor 16C8 fibroblast; erythroid-potentiating activity; tissue inhibitor of metalloproteinases 1 |
| <b>Gene ID</b>          | 21857                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>      | NM_001044384                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | NP_001037849                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | P12032                                                                                                                                                                                                                                                |

## SDS-PAGE



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