

## Recombinant Cattle TIMP4 protein, His & T7-tagged

Cat. No. TIMP4-548C    Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Cattle TIMP4 aa. (Ala50~Pro224 (Accession # O97563)) fused with N-terminal His & T7 tag was produced in E. coli cells.  |
| <b>Species</b>          | Cattle  |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Ala50~Pro224  |
| <b>Form</b>             | Freeze-dried powder   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 24.2kDa   |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)  |
| <b>Purity</b>           | >95%  |
| <b>Characteristic</b>   | The isoelectric point is 8.1.   |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP   |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                       |  |
|-----------------------|--|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.  |

## GENE INFORMATION

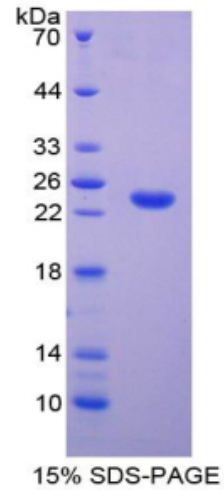
|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | TIMP4 TIMP metalloproteinase inhibitor 4 [ Bos taurus (cattle) ]  |
| <b>Official Symbol</b> | TIMP4   |
| <b>Synonyms</b>        | TIMP4; metalloproteinase inhibitor 4; TIMP-4; tissue inhibitor of metalloproteinase; tissue inhibitor of metalloproteinases 4 |
| <b>Gene ID</b>         | 317694  |
| <b>mRNA Refseq</b>     | NM_001045871.2  |
| <b>Protein Refseq</b>  | NP_001039336.1  |
| <b>UniProt ID</b>      | O97563  |

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**SDS-PAGE**



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