

Active Recombinant Mouse Timp1 protein

Cat. No. Timp1-3285M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Timp1 protein(NP_035723.2)(Met1-Arg205) was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg205
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit human MMP-2 cleavage of a fluorogenic peptide substrate MCA-PLGL-DPA-AR-NH ₂ . The IC ₅₀ value is < 6 nM.
Molecular Mass	The secreted recombinant mouse TIMP1 consists of 181 amino acids and has a calculated molecular mass of 21 kDa. It migrates as an approximately 30 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Timp1 tissue inhibitor of metalloproteinase 1 \[Mus musculus \]](#)

Official Symbol [Timp1](#)

Synonyms TIMP1; tissue inhibitor of metalloproteinase 1; metalloproteinase inhibitor 1; EPA; TPA-S1; TPA-induced protein; erythroid-potentiating activity; collagenase inhibitor 16C8 fibroblast; tissue inhibitor of metalloproteinase-1; tissue inhibitor of metalloproteinases 1; Clgi; Timp; TIMP-1; MGC7143;

Gene ID [21857](#)

mRNA Refseq [NM_001044384](#)

Protein Refseq [NP_001037849](#)

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