

Recombinant Rat Timp1 Protein, His-tagged

Cat. No. Timp1-410R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Timp1 Protein (Cys24-Ala217) with N-His tag was expressed in 293F.
Species	Rat
Source	HEK293
ProteinLength	Cys24-Ala217
Description	Enables protease binding activity. Involved in several processes, including cartilage development; response to peptide hormone; and wound healing. Located in basement membrane. Used to study degenerative disc disease. Biomarker of cholestasis; gastric ulcer; heart disease (multiple); lung disease (multiple); and vascular disease (multiple). Orthologous to human TIMP1 (TIMP metalloproteinase inhibitor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.1 kDa Accurate Molecular Mass: 30 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

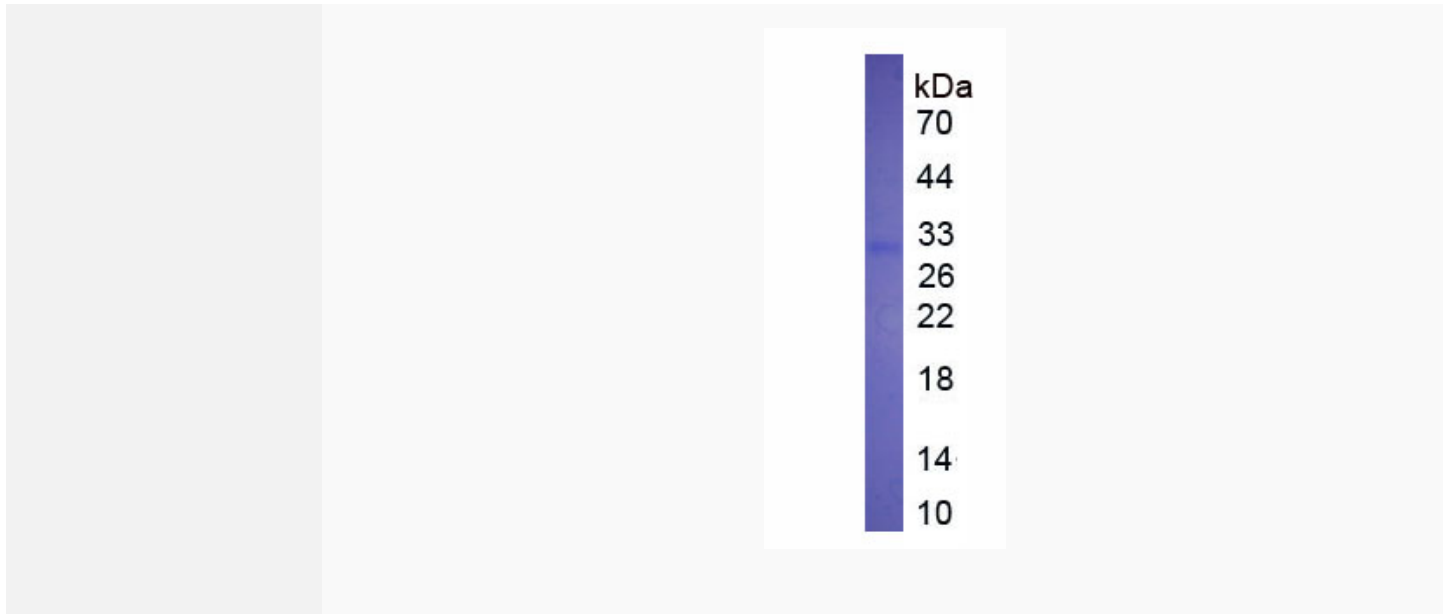
GENE INFORMATION

Gene Name	Timp1 TIMP metalloproteinase inhibitor 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Timp1
Synonyms	TIMP1; TIMP metalloproteinase inhibitor 1; metalloproteinase inhibitor 1; tissue inhibitor of metalloproteinase 1; tissue inhibitor of metalloproteinase 1; tissue inhibitor of metalloproteinases 1; Timp; TIMP-1
Gene ID	116510
mRNA Refseq	NM_053819
Protein Refseq	NP_446271
UniProt ID	P30120

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