

Recombinant Rat TIMP-1 / TIMP1 Protein

db58375

Package : 10µg 50µg 100µg 1mg

Product Name : Recombinant Rat TIMP-1 / TIMP1 Protein**Cat.No.:** db58375**Synonyms** : TIMP1;Timp-1**Application** : Positive Control, Immunogen, SDS-PAGE, WB**Expression host** : HEK293 Cells**Species** : Rat**Background**

Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Also stimulates steroidogenesis by Leydig and ovarian granuloma cells; procathepsin L is required for maximal activity.

Gene ID

116510

Swiss Prot

P30120

Synonyms

TIMP1;Timp-1

Application

Positive Control, Immunogen, SDS-PAGE, WB

Molecular Weight

21.5 kDa

Species

Rat

Purity

>85% as determined by SDS-PAGE.

Seq

Met1-Ala217

Formulation

Freeze-dried powder

Storage Stability

Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Avoid repeated freeze/thaw cycles.

15% SDS PAGE(reduced) analysis of Recombinant Rat TIMP-1 / TIMP1 Protein

