

Recombinant Bovine Metalloproteinase Inhibitor 1 (TIMP1)

Cat. No.: AP9C475

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Bovine Metalloproteinase Inhibitor 1 (TIMP1) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is N/A. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	N/A
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Bovine tissue Inhibitors of metalloproteinase 1 (TIMP1) in Bovines is a protein that inhibits matrix metalloproteinases (MMPs), enzymes that break down extracellular matrix components. TIMP1 is crucial for regulating tissue remodeling, inflammation, and angiogenesis. It also plays a role in cell proliferation, migration, and apoptosis, and is implicated in various physiological and pathological processes, including cancer progression and tissue repair. TIMP1's application includes research into its role in disease mechanisms and potential therapeutic targets for conditions like cancer and fibrosis.

Protein	Bovine Metalloproteinase Inhibitor 1 (TIMP1)
Protein Synonym	EPO; CLGI; EPA; HCI; Erythroid Potentiating Activity; Collagenase Inhibitor; Metalloproteinase inhibitor 1; Fibroblast collagenase inhibitor
Gene ID	282092
UniProt ID	P20414

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquot as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.