

RP00455

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Recombinant Human TIMP-1 Protein

Catalog No.: RP00455

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	7076	P01033

Tags

C-6×His

Synonyms

CLGI; EPA; EPO; HCl; TIMP;
TIMP-1;TIMP1;EPA;EPO;HCl;TIMP;TIMP-1

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs to the TIMP family. The proteins encoded by this family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction.

Basic Information

Description

Recombinant Human TIMP-1 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Cys24-Ala207) of human TIMP-1 (Accession #P01033) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

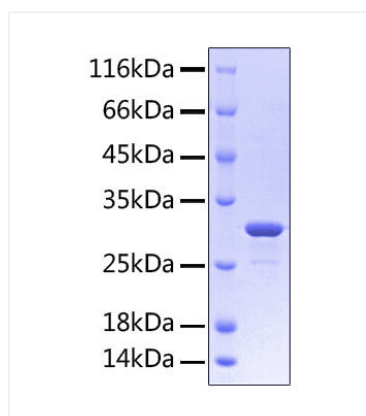
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human TIMP-1 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 28 kDa.