

Product datasheet

Recombinant Human TIMP1 protein ab151942

Overview

Product name	Recombinant Human TIMP1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	HEK 293 cells
Amino Acid Sequence	
Accession	P01033
Species	Human
Sequence	CTCVPPHPQTAF CNSDLVIRAKFVGTPEVNQTTLYQRY EIKMTKMYKGFQ ALGDAADIRFVYTPAMESVCGYFHRSHNRSEEFILAGK LQDGLLHITCS FVAPWNSLSLAQRRGFTKTYTVGCEECTVFPCLSIPC KLQSGTHCLWTDQ LLQGSEKGFQSRHLAQLPREPGLCTWQSLRSQIAVDH HHHHH
Molecular weight	22 kDa including tags
Amino acids	24 to 207
Tags	His tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab151942** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Endotoxin level	< 1.000 Eu/µg
Purity	>95% by SDS-PAGE . ab151942 has purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. 0.2 µM filtered.

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -80°C.
pH: 7.20
Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

General Info

Function Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13 and MMP-16. Does not act on MMP-14.

Sequence similarities Belongs to the protease inhibitor I35 (TIMP) family.
Contains 1 NTR domain.

Post-translational modifications The activity of TIMP1 is dependent on the presence of disulfide bonds.

Cellular localization Secreted.

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