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Datasheet for ABIN1097658

TIMP2 Protein (AA 27-220) (His tag)

Overview

Quantity:	50 µg
Target:	TIMP2
Protein Characteristics:	AA 27-220
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Tissue Inhibitor of Metalloproteinases 2/TIMP-2 (C-6His)
Sequence:	CSCSPVHPQQ AFCNADVIR AKAVSEKEVD SGNDIYGNPI KRIQYEIKQI KMFKGPEKDI EFIYTAPSSA VCGVSLDVGG KKEYLIAGKA EGDGKMHTL CDFIVPWDTL STTQKKSLNH RYQMGCECKI TRCPMIPCYI SSPDECLWMD WVTEKNINGH QAKFFACIKR SDGSCAWYRG AAPPKQEFLD IEDPVDHHHH HH
Characteristics:	Recombinant Human Tissue Inhibitor of Metalloproteinases 2/TIMP-2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Cys27-Pro220) of Human TIMP2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TIMP2
Alternative Name:	timp-2 (TIMP2 Products)
Sub Type:	Fusionprotein
Background:	<p>Tissue Inhibitor of Metalloproteinases 2 (TIMP-2) complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor.</p> <p>Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.</p> <p>Alternative Names: Metalloproteinase Inhibitor 2, CSC-21K, Tissue Inhibitor of Metalloproteinases 2, TIMP-2, TIMP2</p>
Molecular Weight:	22.79 kDa
UniProt:	P16035
Pathways:	cAMP Metabolic Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months