

Datasheet for ABIN935875 **TIMP2 Protein**



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Overview

Quantity:	10 µg
Target:	TIMP2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence: MCSCSPVHPQ QAFCNADVVI RAKAVSEKEV DSGNDIYGNP IKRIQYEIKQ IKMFKGPEKD
IEFIYTAPSS AVCGVSLDVG GKKEYLIAGK AEGDGKMHIT LCDFIVPWDT LSTTQKKS LN
HRYQMGCECK ITRCPMIPCY ISSPDECLWM DWVTEKNING HQAKFFACIK RSDGSCAWYR
GAAPPKQEFL DIEDP

Characteristics: Purified recombinant Human TIMP2 protein
Expression System: E.coli
Bioactivity: TIMP-2 activity was measured by its ability to inhibit human MMP-1 induced hydrolysis of a chromogenic peptide substrate at room temperature. Half maximal inhibition was obtained at a TIMP-2 concentration of approximately 0.5 µg/mL, when using an MMP-1 concentration of 1.6 µg/mL.

Purity: > 95 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

Target Details

Target:	TIMP2
Alternative Name:	TIMP2 (TIMP2 Products)
Background:	<p>TIMP-2 is an extracellular inhibitor of MMPs including MMP1, 2, 3, 7, 8, 9, 10, 12, 13, 14, 15, 16 and 19. It belongs to the I35 (TIMP) family of irreversible protease inhibitors that function as key modulators of extracellular matrix degradation during tissue development and remodeling. TIMP-2 can also act through an MMP-independent mechanism inhibiting endothelial cell proliferation in vitro and demonstrates anti-angiogenic activities in vivo.</p> <p>Alternative Names: TIMP 2 protein, Tissue inhibitor of metalloproteinases 2 protein, CSC-21K protein, TIMP2, TIMP-2 protein, TIMP-2 protein, TIMP-2, TIMP 2</p>
Molecular Weight:	21.8 kDa
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.