

Recombinant Human TIMP2 protein, T7/His-tagged

Cat. No. TIMP2-152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TIMP2 cDNA (27 – 220aa, derived from BC071586) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	27-220 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGHHHHHHENLYFQGGECS CSPVHPQQAFCNADVVIRAKAVSE KEVDSGNDIYGNPIKRIQYEI KQIKMFKGPEKDIEFIYTAPSSAVCGVSLDVGGKKEYL IAGKAEGDGKMHITLCDFIVPWDTLSTTQKKSLNHRY QMGCECKITRCPMIPCYISS PDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro TIMP2 mediated matrix metalloproteinases activities regulation study for cell differentiation or cancer cell metastasis with this protein either as soluble factor or as coating matrix protein.2. May be used for mapping TMP2 protein-protein interaction.3. Potential biomarker protein for diagnostic/prognosis, such as prostate or lung cancer.4. As immunogen for specific antibody production.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION
Gene Name

TIMP2 TIMP metalloproteinase inhibitor 2 [Homo sapiens]

Official Symbol

TIMP2

Synonyms

TIMP2; TIMP metalloproteinase inhibitor 2; tissue inhibitor of metalloproteinase 2; metalloproteinase inhibitor 2; CSC 21K; TIMP-2; tissue inhibitor of metalloproteinases 2; CSC-21K;

Gene ID

7077

mRNA Refseq

NM_003255

Protein Refseq

NP_003246

MIM

188825

UniProt ID

P16035

**Chromosome
Location**

17q25

Pathway

Activation of Matrix Metalloproteinases, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;

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Function

enzyme activator activity; enzyme inhibitor activity; integrin binding; metal ion binding; metalloendopeptidase inhibitor activity;

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