

TIMP2 recombinant protein

TIMP2, 27-220aa, Human, His tag, E Coli

CATALOG # AAA48764	HOST E Coli	APPLICATIONS SDS-Page
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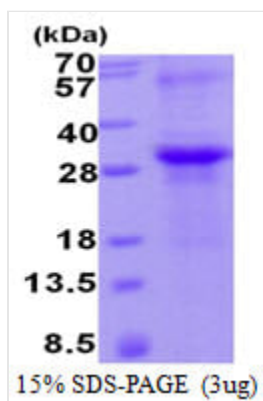
PRODUCT SYNONYMS

TIMP2; 27-220aa; Human; His tag; E Coli; TIMP metallopeptidase inhibitor 2; CSC-21K; CSC21K; TIMP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMCS CSPVHPQQAF CNADVIRAK AVSEKEVDSG NDIYGNPIKR IQYEIKQIKM FKGPEKDIEF IYTAPSSAVC GVSLDVGGKK EYLIAGKAEG DGKMHITLCD FIVPWDTLST TQKSLNHRY QMGCECKITR CPMIPCYISS PDECLWMDWV TEKNINGHQA KFFACIKRSD GSCAWYRGAA PPKQEFLDIE DP
Sequence Length	220
Applicable Applications for TIMP2 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	27-220aa
Preparation and Storage	Can be stored at 2-8°C for 1 week For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for TIMP2 recombinant protein	TIMP2 is a natural inhibitor of the matrix metalloproteinases, a group of peptidases involved in of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, this protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, TIMP2 may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular. Recombinant human TIMP2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for TIMP2 recombinant protein	Proteases & Inhibitors
References	Bahudhanapati,H., et al. (2011) J. Biol. Chem. 286 (36), 31761-31770; Seo,D.W.,et al. (2011) Peptides 32 (9), 1840-1848

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507511
NCBI GeneID	7077
NCBI Accession #	NP_003246
NCBI GenBank Nucleotide #	NM_003255.4
UniProt Accession #	P16035 ; Q16121 ; Q93006 ; Q9UDF7
Molecular Weight	26.1 kDa (232aa), confirmed by MALDI-TOF
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	TIMP2
UniProt Synonym Gene Names	TIMP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/timp2-recombinant-protein-e-coli-sds-page/48764>