

Datasheet for ABIN1095681

TIMP2 Protein (AA 30-220, partial) (GST tag)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µg
Target:	TIMP2
Protein Characteristics:	AA 30-220, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIMP2 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	SPVHPQQAFC NADVIRAKA VSEKEVDSGN DIYGNPIKRI QYEIKQIKMF KGPEKDIEFI YTAPSSAVCG VSLDVGGKKE YLIAGKAEGD GKMHITLCDF IVPWDTLSTT QKKSLSNHRYQ MGCECKITRC PMIPCYISSP DECLWMDWVT EKNINGHQAK FFACIKRSDG SCAWYRGAAP PKQEFLDIED P
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	TIMP2
Alternative Name:	Metalloproteinase inhibitor 2 protein (TIMP2 Products)

Target Details

Background:	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. 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.
Molecular Weight:	48.8 kD
UniProt:	P16035
Pathways:	cAMP Metabolic Process

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

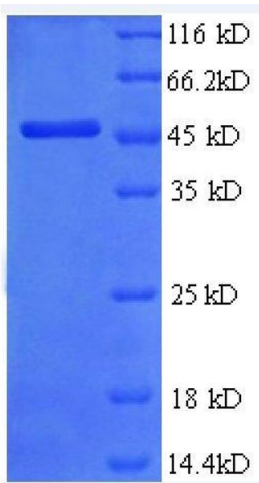
Publications

Product cited in:	Stetler-Stevenson, Brown, Onisto, Levy, Liotta: "Tissue inhibitor of metalloproteinases-2 (TIMP-
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2) mRNA expression in tumor cell lines and human tumor tissues." in: **The Journal of biological chemistry**, Vol. 265, Issue 23, pp. 13933-8, (1990) ([PubMed](#)).

Boone, Johnson, De Clerck, Langley: "cDNA cloning and expression of a metalloproteinase inhibitor related to tissue inhibitor of metalloproteinases." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 87, Issue 7, pp. 2800-4, (1990) ([PubMed](#)).

Images



SDS-PAGE

Image 1. Metalloproteinase Inhibitor 2 (TIMP2) (AA 30-220), (partial) protein (GST tag)