

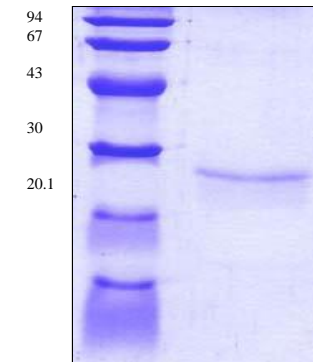
Recombinant, Human Tissue Inhibitor of Matrix Metalloproteinases-1

CATALOG #:	7786-5
ALTERNATE NAMES:	TIMP, TIMP-1, Human TIMP-1, Tissue Inhibitor of Matrix Metalloproteinases-1
AMOUNT:	5 µg
SOURCE:	Human TIMP-1 expressed in Sf9 cells
PURITY:	>92% by SDS-PAGE and Western blotting analyses
FORM:	Liquid. In 50 mM Tris-HCl, pH 7; 200 mM NaCl, 5 mM CaCl ₂ , 1 µM ZnCl ₂ , 0.05% Brij 35, 0,05% NaN ₃
MOLECULAR WEIGHT:	28 kDa
CONCENTRATION:	50 µg/ml
STORAGE CONDITIONS:	TIMP-1 is very stable if stored at -70°C. Repeated freezing and thawing should be avoided.

DESCRIPTION:

The tissue inhibitor of metalloproteinases (TIMP-1) is a glycoprotein with a molecular mass of about 28 kDa. The secreted protein consists of 184 amino acids, six disulfide bonds and two glycosylation sites containing N-linked oligosaccharides. TIMP-1 specifically inhibits the extracellular-matrix-degrading metalloproteinases such as collagenase, gelatinase and stromelysin. It has no activity on mammalian membrane metalloproteinases, pro-collagen peptidase, or on bacterial metalloproteinases such as thermolysin.

IMAGE:



RELATED PRODUCT:

- Human Tissue Inhibitor of Matrix Metalloproteinases1: **(Cat# 7787-5)**
- Tissue Inhibitor of Matrix Metalloproteinases-2 **(Cat# 7788-5)**

FOR RESEARCH USE ONLY! Not to be used on humans.