

Recombinant Human Tissue Inhibitor of Matrix Metalloproteinases – 1

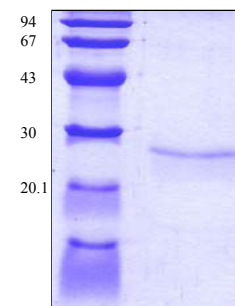
CATALOG #:	7786-5
AMOUNT:	5 µg
SOURCE:	Human TIMP-1 expressed in Sf9 cells
PURITY:	>92% by SDS-PAGE and Western blotting analyses
FORM:	Liquid, in 50 mM Tris-HCl, pH 7; 200 mM NaCl; 5 mM CaCl ₂ ; 1 µM ZnCl ₂ ; 0.05% Brij 35; 0,05% NaN ₃
MOLECULAR WEIGHT:	28 kDa
CONCENTRATION:	50 µg/ml

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 metallo-proteinases, procollagen peptidase, or on bacterial metalloproteinases such as thermolysin.

IMAGE:

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

RELATED PRODUCT:

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