

PRODUCT INFORMATION SUMMARY

Human TIMP-2

Purified Factor	Product Number	HC67727B	10.0 ug
		HC67727A	2.0 ug

DESCRIPTION:

Human Tissue Inhibitor of MetalloProteinases-2 (TIMP-2), also known as CSC-21K, is an inhibitor of MMPs. A member of the irreversible protease inhibitors family I35, it controls extracellular matrix degradation during tissue development. TIMP-2 is also known to show anti-angiogenic effects and also act via MMP independent pathways to inhibit endothelial cell proliferation. Human TIMP-2 has Molecular weight of 21.8 kDa, with 194 aa. residues.

SOURCE: E. Coli
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug TIMP-2
Sterile-filtered, lyophilized, additive-free

BIOLOGICAL ACTIVITY:

ED₅₀ of 0.5 ug/mL, as determined by inhibition of human MMP-1 induced hydrolysis of a chromogenic substrate with MMP-1 concentration of approximately 1.5 ug/mL.

HANDLING AND STORAGE:

Purified Human TIMP-2 factor is provided lyophilized. Store lyophilized, at -20 ° C. Quick-Spin before reconstitution. Reconstitute with **sterile or distilled water** to a concentration of 100 ug/mL, then dilute in PBS or other buffered solutions. Store small aliquots, **with addition of carrier protein, ie., 0.1% BSA**, at -20° C for long-term storage -up to 3 months, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE