

Metalloproteinase inhibitor 1, 25-205aa, Mouse, His tag, Insect cell

Cat.NO.: TP02952

3th Edition

Synonyms:Timp1, Clgi, EPA, Timp, TIMP-1, TPA-S1

Description:TIMP1, also known as metalloproteinase inhibitor 1, is a member of the TIMP family. Tissue inhibitors of metalloproteinases (TIMP) family are natural inhibitors of the matrix metalloproteinases (MMPs), the zinc enzymes involved in extracellular matrix maintenance and remodeling. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. It has been identified as a multifunctional molecule with divergent functions. Recombinant Mouse TIMP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4), 10% glycerol

Molecular Weight:21.0kDa (187aa) 18-28kDa (SDS-PAGE under reducing conditions)

Sequences:

CSCAPPHPQTAF CNSDLVIRAKFMGSPEINETTL YQRYKIKMTKMLKGFKAVGNAADIRYAYTPVMESLCGYAHKS
QNRSEEF LITGRLRNGNLHISACSFLVPWRTLSPAQQRAFSKTY SAGCGVCTVFPCLSIPCKLESDTHCLWTDQVL
VGSEDYQSRHFACLPRNPGLCTWRSLGARHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.