Recombinant Mouse Timp1 Protein, His-tagged

Cat. No. Timp1-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TIMP-1 (25-205aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14 (By similarity).
Form	Liquid
Molecular Mass	21 kDa (187aa)
AA Sequence	CSCAPPHPQTAFCNSDLVIRAKFMGSPEINETTLYQRYKIKMTKMLKGFKAVGNAAD IRYAYTPVMESLCGYAHKSQNRSEEFLITGRLRNGNLHISACSFLVPWRTLSPAQQR AFSKTYSAGCGVCTVFPCLSIPCKLESDTHCLWTDQVLVGSEDYQSRHFACLPRNP GLCTWRSLGAR
Endotoxin	< 1 EU/μg of protein (determined by LAL method)

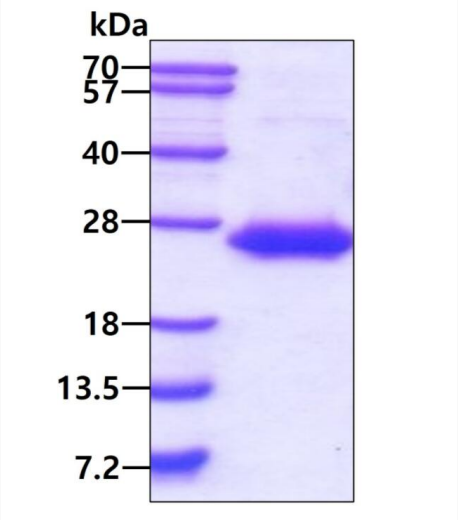
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Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) 10% glycerol

GENE INFORMATION

Gene Name	Timp1 tissue inhibitor of metalloproteinase 1 [Mus musculus (house mouse)]
Official Symbol	Timp1
Synonyms	Timp1; tissue inhibitor of metalloproteinase 1; Cl; EPA; Clgi; Timp; TIMP-1; TPA-S1; metalloproteinase inhibitor 1; TPA-induced protein; collagenase inhibitor 16C8 fibroblast; erythroid-potentiating activity; tissue inhibitor of metalloproteinases 1
Gene ID	21857
mRNA Refseq	NM_011593
Protein Refseq	NP_035723
UniProt ID	P12032

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SDS-PAGE	 3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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