

# Recombinant Human TIMP3 Protein (Cys24-Pro211), His tagged

Cat. No. TIMP3-2394H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human TIMP3 (Cys24-Pro211) protein fused with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Cys24-Pro211
<b>Description</b>	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15.
<b>Molecular Mass</b>	22.93 kDa
<b>Purity</b>	>90 % as determined by SDS-PAGE.
<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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<b>Storage Buffer</b>	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	TIMP3 TIMP metalloproteinase inhibitor 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TIMP3
<b>Synonyms</b>	TIMP3; TIMP metalloproteinase inhibitor 3; SFD, tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory); metalloproteinase inhibitor 3; TIMP-3; MIG-5 protein; protein MIG-5; tissue inhibitor of metalloproteinases 3; SFD; K222; K222TA2; HSMRK222;
<b>Gene ID</b>	7078
<b>mRNA Refseq</b>	NM_000362
<b>Protein Refseq</b>	NP_000353
<b>MIM</b>	188826
<b>UniProt ID</b>	P35625

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