Recombinant Human TIMP3 protein, His & T7-tagged

Cat. No. TIMP3-545H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMP3 aa. (Cys26~Pro211 (Accession # P35625)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys26~Pro211
Description	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.3kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.3.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	TIMP3 TIMP metallopeptidase inhibitor 3 [Homo sapiens (human)]
Official Symbol	TIMP3
Synonyms	TIMP3; TIMP metallopeptidase inhibitor 3; SFD; K222; K222TA2; HSMRK222; metalloproteinase inhibitor 3; MIG-5 protein; TIMP-3; protein MIG-5; tissue inhibitor of metalloproteinases 3
Gene ID	7078
mRNA Refseq	NM_000362.4
Protein Refseq	NP_000353.1
UniProt ID	P35625

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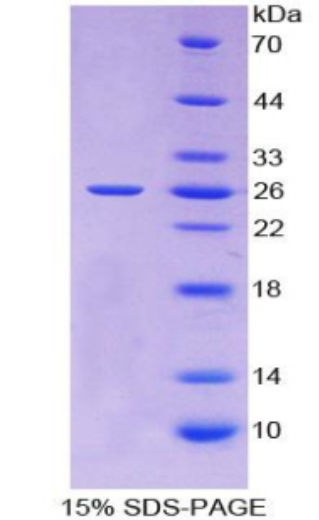
SDS-PAGE	 15% SDS-PAGE

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