

Recombinant Human TIMP3 protein, His-tagged

Cat. No. TIMP3-852H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TIMP3(Cys24-Pro211) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	24-211 a.a.
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	Lyophilized from a 0.2 μ filtered PBS solution (pH 7.4).
Molecular Mass	23.4 kDa
Purity	Purity: >90%, as determined by SDS-PAGE under reducing conditions and visualized by Coomassie blue staining.
Applications	ELISA, Western blotting, Dot Blotting, Immunogen, Protein Array, Function Assay, etc. Before use, heat the WBC control at 95 centigrade for 5 minutes. Spin down the

 Tel: 1-631-559-9269 1-516-512-3133

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sample and load 5 μ per lane onto SDS-PAGE gel.

Storage

Upon arrival, the protein may be stored for 2 weeks at 4 centigrade. For long term storage, it is recommended to store at -20 centigrade or -80 centigrade in appropriate aliquots. Avoid repeated freeze-thaw cycles.

Reconstitution

Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5~1.0 mg/mL with sterile deionized water or PBS.

GENE INFORMATION

Gene Name

TIMP3 TIMP metalloproteinase inhibitor 3 [Homo sapiens]

Official Symbol

TIMP3

Synonyms

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;

Gene ID

7078

mRNA Refseq

NM_000362

Protein Refseq

NP_000353

MIM

188826

UniProt ID

P35625

Chromosome

22q12.3

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Location	
Pathway	Endochondral Ossification, organism-specific biosystem; Matrix Metalloproteinases, organism-specific biosystem;
Function	enzyme inhibitor activity; metal ion binding; metalloendopeptidase inhibitor activity; protein binding;

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