

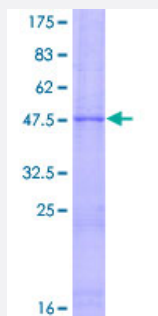
Full-Length

TIMP3 (Human) Recombinant Protein (P01)

Catalog # H00007078-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TIMP3 full-length ORF (NP_000353.1, 1 a.a. - 211 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTPWLGLVLLGSWSLGDWGAEACTCSPSHPQDAFCNSDMIRAKVVGKKLVKEGPFGLVYTIK
QMKNMYRGFTKMPHVQYIHTASESLCGLKLEVNKYQYLLTGRVYDGKMYTGLCNFVERWDQLTLS
QRKGLNYRYHLGCNCKIKSCYLLPCFVTSKNECLWTDMLSNFGYPGYQSKHYACIRQGGYCSWY
RGWAPPDKSIINATDP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

50.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TIMP3

Entrez GeneID	7078
GeneBank Accession#	NM_000362.4
Protein Accession#	NP_000353.1
Gene Name	TIMP3
Gene Alias	HSMRK222, K222, K222TA2, SFD
Gene Description	TIMP metalloproteinase inhibitor 3
Omim ID	136900 188826
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	MIG-5 protein tissue inhibitor of metalloproteinase 3

Disease

- [Aortic Aneurysm](#)
- [Atherosclerosis](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Connective Tissue Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Infection](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Liver Cirrhosis](#)
- [Lymphoma](#)
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- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
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- [Pregnancy Complications](#)
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- [Schizophrenia](#)
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