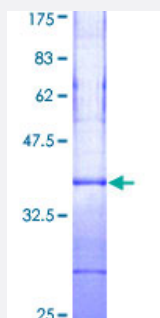


TIMP3 (Human) Recombinant Protein (Q01)

Catalog # H00007078-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TIMP3 partial ORF (AAH14277, 112 a.a. - 211 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KMYTGLCNFVERWDQLTSLQRKGLNYRYHLGCNCKIKSCYYLPCFVTSKNECLWTDMLSNGYP GYQSKHYACIRQKGGYCSWYRGWAPPDKSINATDP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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# [BC014277](#)

Protein Accession# [AAH14277](#)

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](#)
- [Macular Degeneration](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Ovarian Neoplasms](#)
- [Pregnancy Complications](#)

- [Premature Birth](#)
- [Pulmonary Fibrosis](#)
- [Retinal Diseases](#)
- [Schizophrenia](#)
- [Skin Diseases](#)