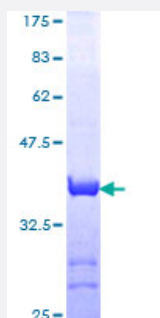


TGFBI (Human) Recombinant Protein (Q01)

Catalog # H00007045-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TGFBI partial ORF (AAH00097.1, 481 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AHDKRGRYGLFTMDRVLTPPMGTVMVDVLKGDNRFSMLVAAIQSAGLTETLNREGVYTVFAPTNE AFRALPPRERSRLLGDAKELANILKYHIGDEILVS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (87); Rat (88)
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 — TGFB1

Entrez GeneID	7045
GeneBank Accession#	BC000097
Protein Accession#	AAH00097.1
Gene Name	TGFB1
Gene Alias	BIGH3, CDB1, CDG2, CDGG1, CSD, CSD1, CSD2, CSD3, EBMD, LCD1
Gene Description	transforming growth factor, beta-induced, 68kDa
Omim ID	121820 121900 122200 601692 602082 607541 608470 608471
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. The protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in this gene are associated with multiple types of corneal dystrophy. [provided by RefSeq]
Other Designations	RGD-containing collagen-associated protein kerato-epithelin

Disease

- [Cardiovascular Diseases](#)
- [Corneal Dystrophies](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)