

Full-Length

TGFBI (Human) Recombinant Protein (P01)

Catalog # H00007045-P01

Size 50 ug

Specification

Product Description	Human TGFBI full-length ORF (AAH04972.1, 1 a.a. - 683 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MALFVRL LALALALALGPAATLAGPAKSPYQLVLQHSRLRGRQHGPNVCAVQKVIGTNRKYFTNC KQWYQRKICGKSTVISYECCPGYEKVPGEKGCPAALPLSNLYETLGVVGSTTTQLYTDRTKLRPE MEGPGSFTIFAPSNEAWASLPAEVLDSLVSNNIELLNALRYHMGRRVLTDELKHGMLTSMYQ NSNIQIHYPNGIVTVNCARLLKADHHATNGVVHLIDKVISTITNNIQQIIEIDTFETLRAAVAASGLNT MLEGNGQYTLLAPTNEAFEKIPSETLNRILGDPEALRDLLNNHILKSAMCAEAVAGLSVETLEGTTL EVGCSGDM LTINGKAIISNKDILATNGVIHYDELLIPDSAKTLFELAAESDVSTAILFRQAGLGNHLS GSERLTLLAPLNSVFKDGTTPIDAHTRNLLRNHIKDQLASKYL YHGQTL EILGGKKLRV FVYRNSLCI ENSCIAAHDKRGRYGT LFTMDRVLTPPMGTVM DVLKGDNRFSMLVAAIQSAGLTETLNREGVYTV FAPTNEAFRALPPRERSRL LGDAKELANILKYHIGDEILVSGGIGALVRLKSLQGDKLEVSLKNNVV SVNKEPVAEPDIMATNGVVHVITNVLQPPANRPQERGDELADSALEIFKQASAFSRASQRSVRLA PVYQKLLERMKH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	101.1
Interspecies Antigen Sequence	Mouse (91); Rat (90)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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# [BC004972.1](#)

Protein Accession# [AAH04972.1](#)

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](#)