

Recombinant Full Length Human TGFBI Protein, C-Flag-tagged

Cat. No. TGFBI-924HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TGFBI Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	72.4 kDa
AA Sequence	MALFVRLALALALALGPAATLAGPAKSPYQLVLQHSRLRGRQHGPNVCAVQKVIGT NRKYFTNCKQWYQ RKICGKSTVISYECCPGYEKVPGEKGC PAALPLSNLYETLGVV GSTTTQLYTDRTEKLRPEMEGPGSFTI FAPSNEAWASLPAEVLDSLVSNNVNIELLNA LRYHMGVRRVLTDELKHGMLTSMYQNSNIQIHHPNGIV TVNCARLLKADHHATN GVVHLIDKVISTITNNIQIIEIEDTFETLRAAVAASGLNTMLEGNGQYTLLAP TNEAFE KIPSETLNRILGDPEALRDLLNNHILKSAMCAEAIVAGLSVETLEGTTLEVGCSDMLT

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INGKA IISNKDILATNGVIHYIDELLIPDSAKTLFELAAESDVSTAILFRQAGLGNHLSG
 SERLTLLAPLNSVF KDGTPPIDAHTRNLLRNHIIKDQLASKYLYHGQTLETGGKKLR
 VFVYRNSLCIENS CIAAHDKRGRYGT LFTMDRVLTTPMGTVMVLKGDNRFSMLVA
 AIQSAGLTETLNREGVYTVFAPTNEAFRALPPRERSRLLG DAKELANILKYHIGDEILV
 SGGIGALVRLKSLQGDKLEVSLKNNVSVNKEPVAEPDIMATNGVVHVITN
 VLQPPANRPQERGDELADSALEIFKQASAFSRASQRSVRLAPVYQKLLERMKHTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	TGFB1 transforming growth factor beta induced [Homo sapiens (human)]
Official Symbol	TGFB1
Synonyms	CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1

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Gene ID	7045
mRNA Refseq	NM_000358.3
Protein Refseq	NP_000349.1
MIM	601692
UniProt ID	Q15582

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