

Product datasheet for TP300411M

TGFBI (NM_000358) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human transforming growth factor, beta-induced, 68kDa (TGFBI), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200411 protein sequence Red=Cloning site Green=Tags(s) |

MALFVRLALALALALGPAATLAGPAKSPYQLVLQHSRLRGRQHGPNVCAVQKVIGTNRKYFTNCKQWYQ
RKICGKSTVISYECCPGYEKVPGEKGC PAALPLSNLYETLGVVSTTTQLYDRTEKLRPEMEGPGSFTI
FAPSNEAWASLPAEVLDSLVSNNIELLNRYHMVGRRVLTDELKHGMLTSMYQNSNIQIHHYPNGIV
TVNCARLLKADHATNGVWHLIDKVISTITNNIQQIIEIEDTFETLRAAVAASGLNMTLEGNGQYTLAP
TNEAFEKIPSETLNRILGDPEALRDLLNNHILKSAMCAEIVAGLSVETLEGTTLEVGCSDMLTINGKA
IISNKDILATNGVIHYIDELLIPDSAKTLFELAAESDVSTAIDLFRQAGLGNHLSGSERLTLAPLNSVF
KDGTPPIDAHRNLLRNHIIKDQLASKYLYHGQTLETGGKLRVFFVYRNSLCIENSCIAAHDKRGYGT
LFTMDRVLTPPMGTVMDVLKGDNRFSMLVAAIQSAGLTETLNREGVYTVFAPTNEAFRALPPRERSLLG
DAKELANILKYHIGDEILVSGGIGALVRLKSLQGDKLEVSLKNNVSVNKEPVAEPDIMATNGVWHVITN
VLQPPANRPQERGDELADSALEIFKQASAFSRASQRSVRLAPVYQKLLERMKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

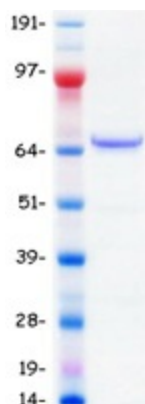
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 72.4 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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|--------------------------|---|
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_000349</u> |
| Locus ID: | 7045 |
| UniProt ID: | <u>Q15582, A0A0S2Z4Q2</u> |
| RefSeq Size: | 2805 |
| Cytogenetics: | 5q31.1 |
| RefSeq ORF: | 2049 |
| Synonyms: | BIGH3; CDB1; CDG2; CDGG1; CSD; CSD1; CSD2; CSD3; EBMD; LCD1 |
| 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, Jul 2008] |
| Protein Families: | Druggable Genome, Secreted Protein, Transmembrane |

Product images:



Coomassie blue staining of purified TGFBI protein (Cat# [TP300411]). The protein was produced from HEK293T cells transfected with TGFBI cDNA clone (Cat# [RC200411]) using MegaTran 2.0 (Cat# [TT210002]).