



# Recombinant Human Transforming growth factor-beta-induced protein ig-h3 (TGFB1)

<b>Product Code</b>	CSB-MP618988HU
<b>Abbreviation</b>	TGFB1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q15582
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GPAKSPY QLVLQHSRLR GRQHGPVCA VQKVIGTNRK YFTNCKQWYQ RKICGKSTVI SYECCPGYEK VPGEKGC PAA LPLSNLYETL GVVGSTTTQL YTDRTKLRP EMEGPGSFTI FAPSNEAWAS LPAEVLDSL V SNVNIELLNA LRYHMGVRRV LTDELKHGMT LTSMYQNSNI QIHHPNGIV TVNCARLLKA DHHATNGVVH LIDKVISTIT NNIQQIIEIE DTFETLRAAV AASGLNTMLE GNGQYTLLAP TNEAFEKIPS ETLNRILGDP EALRDLLNNH ILKSAMCAEA IVAGLSVETL EGTTLVVGCS GDMLTINGKA IISNKDILAT NGVIHYIDEL LIPDSAKTLF ELAAESDVST AIDLFRQAGL GNHLSGSERL TLLAPLNSVF KDGTPPIDAH TRNLLRNHII KDQLASKYLY HGQTLETGG KKLRFVYRN SLCIENSCIA AHDKRGRYGT LFTMDRVLTP PMGTVMDVLK GDNRF SMLVA AIQSAGLTET LNREGVYTVF APTNEAFRAL PPRERSRLLG DAKELANILK YHIGDEILVS GGIGALVRLK SLQGDKLEVS LKNNVSVNK EPVAEPDIMA TNGVVHVITN VLQPPANRPQ ERGDELADSA LEIFKQASAF SRASQRSVRL APVYQKLLER MKH
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TGFB1
<b>Protein Names</b>	Recommended name: Transforming growth factor-beta-induced protein ig-h3 Short name= Beta ig-h3 Alternative name(s): Kerato-epithelin RGD-containing collagen-associated protein Short name= RGD-CAP
<b>Expression Region</b>	24-683
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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