



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

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| <b>Product Code</b>      | CSB-YP618988HU   |
| <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.<br>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<br>RKICGKSTVI SYECCPGYEK VPGEKGC PAA LPLSNLYETL GVVGSTTTQL<br>YTDRTKLRP EMEGPGSFTI FAPSNEAWAS LPAEVLDSLVS SNVNIELLNA<br>LRYHMGVRRV LTDELKHGMT LTSMYQNSNI QIHHPNGIV TVNCARLLKA<br>DHATNGVVH LIDKVISTIT NNIQQIIEIE DTFETLRAAV AASGLNTMLE<br>GNGQYTLLAP TNEAFEKIPS ETLNRILGDP EALRDLLNNH ILKSAMCAEA<br>IVAGLSVETL EGTTLVVGCS GDMLTINGKA IISNKDILAT NGVIHYIDEL<br>LIPDSAKTLF ELAAESDVST AIDLFRQAGL GNHLSGSERL TLLAPLNSVF<br>KDGTPPIDAH TRNLLRNHII KDQLASKYLY HGQTLETGG KKLRFVYRN<br>SLCIENSCIA AHDKRGRYGT LFTMDRVLTP PMGTVMDVLK GDNRFMSLVA<br>AIQSAGLTET LNREGVYTVF APTNEAFRAL PPRERSRLLG DAKELANILK<br>YHIGDEILVS GGIGALVRLK SLQGDKLEVS LKNNVSVNK EPVAEPDIMA<br>TNGVVHVITN VLQPPANRPQ ERGDELADSA LEIFKQASAF SRASQRSVRL<br>APVYQKLLER MKH |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | TGFB1  |
| <b>Protein Names</b>     | Recommended name: Transforming growth factor-beta-induced protein ig-h3<br>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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