



# Recombinant Mouse Transforming growth factor-beta-induced protein ig-h3 (Tgfb1)

<b>Product Code</b>	CSB-YP023450MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P82198
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>GPAKSPY QLVLQHSRLR GRQHGPNVCA VQKVIGTNKK YFTNCKQWYQ            RKICGKSTVI SYECCPGYEK VPGEKGC PAA LPLSNLYETM GVVGSTTTQL            YTDRTKLRP EMEGPGSFTI FAPSNEAWSS LPAEVLDSL V SNVNIELLNA            LRYHMVDRRV LTDELKHGMT LTSMYQNSNI QIHHPNGIV TVNCARLLKA            DHHATNGVVH LIDKVISTIT NNIQQIIEIE DTFETLRAAV AASGLNTVLE            GDGQFTLLAP TNEAFEKIPA ETLNRILGDP EALRDLLNNH ILKSAMCAEA            IVAGMSMETL GGTTLEVGCS GDKLTINGKA VISNKDILAT NGVIHFIDEL            LIPDSAKTLL ELAGESDVST AIDILKQAGL DTHLSGKEQL TFLAPLNSVF            KDGVPRIDAQ MKTLLLNMHV KEQLASKYLY SGQTLDTLGG KCLR VFVYRN            SLCIENS CIA AHDKRGRFGT LFTMDRMLTP PMGTVMDVLK GDNRF SMLVA            AIQSAGLMEI LNREGVYTVF APTNEAFQAM PPEELNKLLA NAKELTNILK            YHIGDEILVS GGIGALVRLK SLQGDKLEVS SKNNVSVNK EPVAETDIMA            TNGVVYAIN T VLQPPANRPQ ERGDELADSA LEIFKQASAY SRAAQRSVRL            APVYQRLLER MKH</p>
<b>Source</b>	Yeast
<b>Target Names</b>	Tgfb1
<b>Protein Names</b>	Recommended name: Transforming growth factor-beta-induced protein ig-h3 Short name= Beta ig-h3
<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.
<b>Reconstitution</b>	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**

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.