



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

Product Code	CSB-EP023450MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P82198
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	<p>GPAKSPY QLVLQHSRLR GRQHGPNVCA VQKVIGTNKK YFTNCKQWYQ RKICGKSTVI SYECCPGYEK VPGEKGC PAA LPLSNLYETM GVVGSTTTQL YTDRTKLRP EMEGPGSFTI FAPSNEAWSS LPAEVLDSL V SNVNIELLNA LRYHMVDRRV LTDELKHGMT LTSMYQNSNI QIHYPNGIV 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>
Source	E.coli
Target Names	Tgfb1
Protein Names	Recommended name: Transforming growth factor-beta-induced protein ig-h3 Short name= Beta ig-h3
Expression Region	24-683
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
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.

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.