Transforming Growth Factor Beta Induced Protein (TGFbI) Recombinant Protein | TGFbI recombinant protein

Recombinant Transforming Growth Factor Beta Induced Protein (TGFbI)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA135499	**E. Coli**	**Human**	**Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page**

PRODUCT SYNONYMS

Transforming Growth Factor Beta Induced Protein (TGFbI); Recombinant Transforming Growth Factor Beta Induced Protein (TGFbI); TGFbI recombinant protein

PRODUCT SPECIFICATIONS

Host	E. Coli
Reactivity	Human
Purity/Purification	>95%
Form/Format	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Concentration	200ug/mL (varies by lot)
Applicable Applications for TGFbI recombinant protein	IP (CoImmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression
Residues	Gly423~Leu632
Tags	N-terminal His-Tag
Tissue Specificity	Brain, Heart, Liver, Kidney
Subcellular Location	Secreted, extracellular space, extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	9.4
Predicted Molecular Mass	26.8kDa
Accurate Molecular Mass	31kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5.Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

SDS-PAGE

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507467
NCBI GeneID	7045
NCBI Accession #	NP_000349.1
NCBI GenBank Nucleotide #	NM_000358.2
UniProt Accession #	Q15582; O14471; O14472; O14476; O43216; O43217; O43218; O43219; Q53XM1; D3DQB1
NCBI Official Full Name	transforming growth factor-beta-induced protein ig-h3
NCBI Official Synonym Full Names	transforming growth factor, beta-induced, 68kDa
NCBI Official Symbol	TGFBI
NCBI Official Synonym Symbols	CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1
NCBI Protein Information	transforming growth factor-beta-induced protein ig-h3; RGD-CAP; beta ig-h3; kerato-epithelin; RGD-containing collagen-associated protein
UniProt Protein Name	Transforming growth factor-beta-induced protein ig-h3
UniProt Gene Name	**TGFBI**
UniProt Synonym Gene Names	BIGH3; Beta ig-h3; RGD-CAP
UniProt Entry Name	BGH3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/tgfbi-recombinant-protein-e-coli-ip-coimmunoprecipitation-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/135499