

TGFBI Protein, Human(HEK293, His)

Cat. No.:	HY-P74525A
Synonyms:	Transforming growth factor-beta-induced protein ig-h3; Beta ig-h3; RGD-CAP; BIGH3
Species:	Human
Source:	HEK293
Accession:	NP_000349.1 (G24-H683)
Gene ID:	7045
Molecular Weight:	Approximately 75 kDa

PROPERTIES

AA Sequence

G P A K S P Y Q L V	L Q H S R L R G R Q	H G P N V C A V Q K	V I G T N R K Y F T
N C K Q W Y Q R K I	C G K S T V I S Y E	C C P G Y E K V P G	E K G C P A A L P L
S N L Y E T L G V V	G S T T T Q L Y T D	R T E K L R P E M E	G P G S F T I F A P
S N E A W A S L P A	E V L D S L V S N V	N I E L L N A L R Y	H M V G R R V L T D
E L K H G M T L T S	M Y Q N S N I Q I H	H Y P N G I V T V N	C A R L L K A D H H
A T N G V V H L I D	K V I S T I T N N I	Q Q I E I E D T F	E T L R A A V A A S
G L N T M L E G N G	Q Y T L L A P T N E	A F E K I P S E T L	N R I L G D P E A L
R D L L N N H I L K	S A M C A E A I V A	G L S V E T L E G T	T L E V G C S G D M
L T I N G K A I I S	N K D I L A T N G V	I H Y I D E L L I P	D S A K T L F E L A
A E S D V S T A I D	L F R Q A G L G N H	L S G S E R L T L L	A P L N S V F K D G
T P P I D A H T R N	L L R N H I I K D Q	L A S K Y L Y H G Q	T L E T L G G K K L
R V F V Y R N S L C	I E N S C I A A H D	K R G R Y G T L F T	M D R V L T P P M G
T V M D V L K G D N	R F S M L V A A I Q	S A G L T E T L N R	E G V Y T V F A P T
N E A F R A L P P R	E R S R L L G D A K	E L A N I L K Y H I	G D E I L V S G G I
G A L V R L K S L Q	G D K L E V S L K N	N V S V N K E P V	A E P D I M A T N G
V V H V I T N V L Q	P P A N R P Q E R G	D E L A D S A L E I	F K Q A S A F S R A
S Q R S V R L A P V	Y Q K L L E R M K H		

Biological Activity

Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When 5×10^4 cells/well are added to Recombinant rh beta IG-H3 coated plates (5µg/mL with 100 µL/well), 68.78% cells will adhere.

Appearance

Lyophilized powder

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 8.0.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is

recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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