

RP03235

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# Recombinant Human Beta ig-h3/BIGH3/TGFBI Protein

Catalog No.: RP03235 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	7045	Q15582

### Tags

C-His

### Synonyms

TGFBI; BIGH3; Beta ig-h3;  
Transforming growth factor-beta-  
induced protein ig-h3; CDB1; CDG2;  
CDGG1; CSD; EBMD; LCD1

## Product Information

Source	Purification
HEK293 cells	≥ 75 % as determined by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL  
method.

### Formulation

Lyophilized from a sodium citrate  
buffer system at pH 6.0. Contact us for  
customized product form or  
formulation.

### Reconstitution

Please contact us for reconstitution  
instructions.

## Background

TGFBI is 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. TGFBI plays a role in cell-collagen interactions and may be involved in endochondral bone formation in cartilage. TGFBI is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in TGFBI are associated with multiple types of corneal dystrophy. TGFBI can bind to type I, II, and IV collagens. This adhesion protein may play an important role in cell-collagen interactions.

## Basic Information

### Description

Recombinant Human Beta ig-h3/BIGH3/TGFBI Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-His683) of human Beta ig-h3/BIGH3/TGFBI (Accession #NP\_000349.1) fused with His tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.  
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

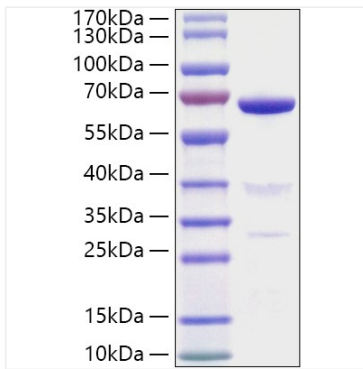


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## Validation Data

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Recombinant Human Beta ig-h3/BIGH3/TGFBI Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.