

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

Catalog No.: RP03235 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 7045 015582

**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 I HEK293 cells

**Purification** 

≥ 75 % as determined by SDS-

PAGE.

Calculated MW Observed MW

74 kDa 65 kDa

#### **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.

## **Contact**

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## **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.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

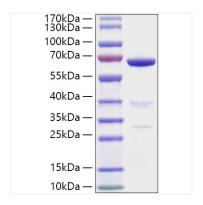
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

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

## **Validation Data**



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