

Recombinant Human Beta ig-h3/BIGH3/TGFBI Protein

Catalog No.: RP03235 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	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% by SDS-PAGE.

Endotoxin

< 1.0 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

Storage

Store the lyophilized protein at -20°C to -80°C for 12 months. 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.

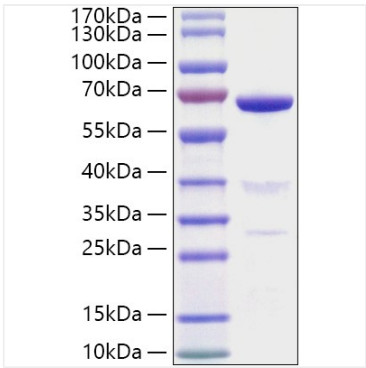
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Validation Data



Recombinant Human Beta ig-h3/BIGH3/TGFB1
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 60-70
kDa.