Datasheet for ABIN7317823

TGFBI Protein (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	TGFBI
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFBI protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TGFBI/BIGH3 Protein (His Tag)
Sequence:	Met 1-His 683
Characteristics:	A DNA sequence encoding the extracellular domain of human beta IG-H3 (NP_000349.1) precursor (Met 1-His 683) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 75 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TGFBI
Alternative Name:	TGFBI/BIGH3 (TGFBI Products)
Background:	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

Target Details

	interactions and may be involved in endochondrial 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. In cartilage, TGFBI may be involved in endochondral bone formation. Loss of the TGFBI is sufficient to induce specific resistance. Synonym: BIGH3,CDB1,CDG2,CDGG1,CSD,CSD1,CSD2,CSD3,EBMD,LCD1
Molecular Weight:	74 kDa
NCBI Accession:	NP_000349

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.