
Product Data Sheet

Product Name: TGFBI Human
 Cat. No.: GP24813
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transforming growth factor-beta-induced protein ig-h3; Beta ig-h3; Kerato-epithelin; RGD-containing collagen-associated protein; RGD-CAP; TGFBI; BIGH3; CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; CDGG1.		
Amino Acid Sequence	MGTVM DV LKG DNRFSMLVAA IQSAGLTETL NREGVYTVFA PTNEAFRALP PRERSLLGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL KNNVSVNKE PVAEPDIMAT NGVVHVITNV LQPPA.		
Formulation	The TGFBI recombinant Human is formulated 20mM Tris-HCl pH-8.		

Introduction

Transforming Growth Factor Beta Induced protein also known as TGFBI is an extracellular matrix protein induced by transforming growth factor (TGF)-beta 1. TGFBI protein is involved in cell growth, cell differentiation, wound healing and cell adhesion. In addition, some missense mutations of TGFBI were identified in families affected with human autosomal dominant corneal dystrophies. TGFBI gene encodes for a 683 amino-acid protein containing an RGD motif and four internal repeated domains which have highly conserved sequences founded in several species (Fasciclin domain).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

TGFBI Human Recombinant (fourth FAS domain) produced in e.Coli is a single, non-glycosylated, polypeptide containing 135 amino acids (502-636) and having a molecular

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mass of 14.5 kDa. The TGFBI recombinant Human protein is purified by proprietary chromatographic techniques.

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