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## Product Data Sheet

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Product Name: TGFBI Human, 182 a.a.  
 Cat. No.: GP24814  
 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 PRERSRLLGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL KNNVSVNKE PVAEPDIMAT NGVVHVITNV LQPPANRPQE RGDELADSAL EIFKQASAFS RASQRSVRLA PVYQKLLERM KH.		
Formulation	The TGFBI 182 a.a. recombinant Human is formulated in 20mM Tris-HCl pH-8, 1mM EDTA, 0.1mM PMSF and 20% glycerol.		

### Introduction

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 Recombinant Human produced in e.Coli is a single, non-glycosylated, polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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containing 182 amino acids (502-683) and having a molecular mass of 19.9 kDa (Molecular weight on SDS-PAGE will appear higher). The TGFBI recombinant Human protein is purified by proprietary chromatographic techniques.

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