9051 Mira Mesa Blvd, #910094
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TGFBI Human

Transforming Growth Factor Beta Induced Human Recombinant
RCP2361

Product Overview

Name	TGFBI Human

Description

Transforming Growth Factor Beta Induced Human Recombinant

Accession (Primary)	Q15582

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.

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).

Source

Escherichia Coli.

Physical Appearance

Sterile filtered liquid formulation.

Formulation

The TGFBI recombinant Human is formulated 20mM Tris-HCl pH-8.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGTVMDVLKG DNRFSMLVAA IQSAGLTETL NREGVYTVFA PTNEAFRALP PRERSRLLGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL KNNVVSVNKE PVAEPDIMAT NGVVHVITNV LQPPA.

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Precautions

TGFBI Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15582)