83103 Avenue 48, Ste.1B #204
Coachella, CA 92236 USA
Phone : +1.6268339877
Email : info@cali-bio.com

California Bioscience

Product Datasheet

Product Name	Transforming Growth Factor Beta Induced Human Recombinant
Cata No	CB501180
Source	*Escherichia Coli.*
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.

Description

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

Physical Appearance

Sterile filtered liquid formulation

Purity

Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

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

Stability

Transforming Growth Factor Beta Induced protein Recombinant Human although stable at 4℃ for 30 days, should be stored desiccated below -20℃ for periods greater than 30 days.
Please avoid Freeze/Thaw cycles.