

Cat # RP-979      Recombinant Human Transforming Growth Factor Beta Induced protein      **Size:**  5 ug

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:**

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 is formulated 20mM Tris pH-8.

#### **APPLICATION AND SUGGESTED DILUTIONS:**

Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

#### **STORAGE & STABILITY:**

Transforming Growth Factor Beta Induced protein Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4oC for ~ 1week or aliquots in suitable size and store at -20oC for long term storage.

#### **USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

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