

## TGFBI

### Recombinant Human Transforming Growth Factor Beta-Induced (Fasciclin domain 4 aa 502-636)

<b>Catalog No.</b>	CSI15639A	<b>Quantity:</b>	100 µg
	CSI15639B		500 µg

**Alternate Names:** BIGH3, CDB1, CDG2, CDGG1, CSD, CSD1, CSD2, CSD3, EBMD, LCD1, RGD-containing collagen-associated protein, kerato-epithelin

**Description:** BIGH3, also known as TGFBI and betaig-h3, is an extracellular matrix protein induced by transforming growth factor(TGF)-beta 1. BIGH3 protein is involved in cell growth, cell differentiation, wound healing and cell adhesion. In addition, some missense mutations of BIGH3 were identified in families affected with human autosomal dominant corneal dystrophies. BIGH3 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). Recombinant human BIGH3 protein (fourth FAS domain) was expressed in *E. coli* and purified by using conventional chromatography techniques.

**Concentration:** 1 mg/ml (determined by Bradford assay)

**GeneID:** 7045

**Protein Accession No:** NP\_000349

**Source:** *E. coli*

**Molecular Weight:** Weight 14.5 kDa (135 aa), confirmed by MALDI-TOF.

**Formulation:** Liquid. 20mM Tris pH8.0 Molecular Weight: 14.5 kDa (135 a.a, residues 502-636)

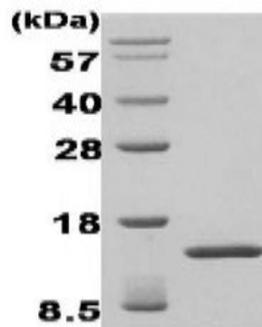
**Purity:** > 95% by SDS - PAGE

**Amino Acid Sequence:** MGTVM DV LKG DNRFSMLVAA IQSAGLTETL NREGVYTVFA PTNEAFRALP  
PRERSRL LGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL  
KNNVSVNKE PVAEPDIMAT NGVVHVITNV LQPPA

**Application:** SDS-PAGE

**Storage & Stability:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -80°C. **Avoid repeated freezing and thawing cycles.**





15% SDS-PAGE (3ug)

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