

**BIGH3, Fasciclin domain 4 (502-636aa) Human, Recombinant, E.coli**

**Cat.NO.: TP01336**

3th Edition

**Synonyms:** Transforming growth factor (TGF) beta-induced protein, TGFBI, Big-h3, Beta ig-h3.

**Description:** BIGH3, also known as TGFBI and ig-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.

**Form:** Liquid. In 20 mM Tris-HCl buffer (pH 8.0)

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

**Sequences:**

MGTVMMDVLKGDNRFSMLVAAIQSAGLTETLNREGVYTVFAPTNEAFRALPPRERSRLLGDAKELANILKYHIGDEILV  
SGGIGALVRLKSLQGDKLEVSLKNNVSVNKEPVAEPDIMATNGVVHVITNVLQPPA

**Purity:** > 95% by HPLC

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

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.