

**BIGH3, 502-683 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP01335**

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3th Edition

**Synonyms:** Transforming growth factor-beta-induced protein ig-h3, Beta ig-h3, TGFBI, Kerato-epithelin, RGD-CAP.

**Description:** BIGH3, also known as TGFBI and Beta 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 ( pH 8.0) containing 1 mM EDTA 0.1 mM PMSF, 20% Glycerol

**Molecular Weight:** 19.9 kDa (182 aa), confirmed by MALDI-TOF

**Sequences:**

MGTVM DV LKGDNRFSMLVAAIQSAGLTETLNREGVYTVFAPTNEAFRALPPRERSRLLGDAKELANILKYHIGDEILV  
SGGIGALVRLKSLQGDKLEVSLKNNVSVNKEPVAEPDIMATNGVVHVITNVLQPPANRPQERGDELADSALEIFKQ  
ASAFSRASQRSVRLAPVYQKLLERMKH

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Absorbance at 280nm).

**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.