

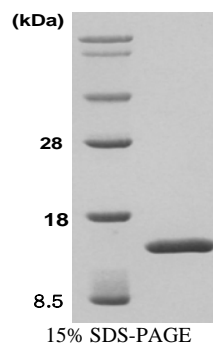
Product: Fasciclin domain 4 (502-636 aa) (BIGH3), human
Catalog #: 01-2262
Amount: 50 µg

SOURCE: Recombinant, *E. coli*

DESCRIPTION: BIGH3, also known as TGFBI and Big-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*

AA Sequence: (502-636aa)

MGTVM DV LKG DNRFSMLVAA IQSAGLTETL NREGVYTVF A PTNEAFRALP
PRERSRLGDA KELANILKYH IGDEILV SGG IGALVRLKSL QGDKLEVSLK
NNVVSVNKEP VAEPDIMATN GVVHVITNVL QPPA



PURITY: Greater than 95% determined by SDS-PAGE
MOLECULAR WEIGHT: 14.5 kDa (135 a.a, residues 502-636)
PRESENTATION: Purified, in 20mM Tris pH8.0
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

Billings PC, *et al.* (2002). *J Biol Chem.* **277**: 28003–28009
Munier FL, *et al.* (2002). *Invest Ophthalmol Vis Sci.* **43**: 949–954
Jung-Eun Kim, *et al.* (2000) *J Biol Chem.* **275**: 30907–30915

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