

# Product datasheet for AR09125PU-N

# TGFBI / BIGH3 (502-683) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	TGFBI / BIGH3 (502-683) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGTVMDVLKG DNRFSMLVAA IQSAGLTETL NREGVYTVFA PTNEAFRALP PRERSRLLGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL KNNVVSVNKE PVAEPDIMAT NGVVHVITNV LQPPANRPQE RGDELADSAL EIFKQASAFS RASQRSVRLA PVYQKLLERM KH
Predicted MW:	19.9 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 1 mM EDTA, 0.1 mM PMSF, 20% Glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human BIGH3 protein was expressed in E. coli and purified by using conventional chromatography techniques.
Note:	(Real molecular size on SDS-PAGE will be shift up).
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 000349</u>
Locus ID:	7045
UniProt ID:	<u>Q15582, A0A0S2Z4Q2</u>
Cytogenetics:	5q31.1
Synonyms:	BIGH3; CDB1; CDG2; CDGG1; CSD; CSD1; CSD2; CSD3; EBMD; LCD1



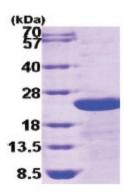
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### **GRIGENE** TGFBI / BIGH3 (502-683) Human Protein – AR09125PU-N

Summary:This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The<br/>RGD motif is found in many extracellular matrix proteins modulating cell adhesion and<br/>serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-<br/>collagen interactions and may be involved in endochondrial bone formation in cartilage. The<br/>protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion.<br/>Mutations in this gene are associated with multiple types of corneal dystrophy. [provided by<br/>RefSeq, Jul 2008]

#### Protein Families: Druggable Genome, Secreted Protein, Transmembrane

## **Product images:**



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