

Product datasheet for **AR09125PU-N**

TGFBI / BIGH3 (502-683) Human Protein

Product data:

| | |
|--|--|
| 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: | MGTVM DV LKG DNRFSMLVAA IQSAGLTETL NREGVYTVFA PTNEAFRALP PRERSRL LGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL KNNVSVNKE 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: | NP_000349 |
| Locus ID: | 7045 |
| UniProt ID: | Q15582 , A0A0S2Z4Q2 |
| Cytogenetics: | 5q31.1 |
| Synonyms: | BIGH3; CDB1; CDG2; CDGG1; CSD; CSD1; CSD2; CSD3; EBMD; LCD1 |



[View online »](#)

Summary:

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

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Product images: