abcam

Product datasheet

Recombinant Human TGFBI protein ab86989

1 图像

描述

产品名称	重组人TGFBI蛋白
纯度	> 95 % SDS-PAGE. ab86989 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	MGTVMDVLKG DNRFSMLVAA IQSAGLTETL NREGVYTVFA PTNEAFRALP PRERSRLLGD AKELANILKY HIGDEILVSG GIGALVRLKS LQGDKLEVSL KNNVVSVNKE PVAEPDIMAT NGVVHVITNV LQPPANRPQE RGDELADSAL EIFKQASAFS RASQRSVRLA PVYQKLLERM KH

技术指标

Our **Abpromise guarantee** covers the use of **ab86989** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
形式	Liquid
补充说明	Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method).

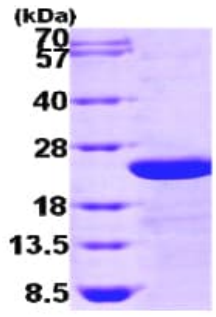
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.00174% PMSF, 0.316% Tris HCl, 0.0292% EDTA, 20% Glycerol (glycerin, glycerine)

常规信息

功能	Binds to type I, II, and IV collagens. This adhesion protein may play an important role in cell-collagen interactions. In cartilage, may be involved in endochondral bone formation.
组织特异性	Highly expressed in the corneal epithelium.
疾病相关	Defects in TGFBI are the cause of epithelial basement membrane corneal dystrophy (EBMD) [MIM:121820]; also known as Cogan corneal dystrophy or map-dot-fingerprint type corneal dystrophy. EBMD is a bilateral anterior corneal dystrophy characterized by grayish epithelial fingerprint lines, geographic map-like lines, and dots (or microcysts) on slit-lamp examination. Pathologic studies show abnormal, redundant basement membrane and intraepithelial lacunae filled with cellular debris. Although this disorder usually is not considered to be inherited, families with autosomal dominant inheritance have been identified. Defects in TGFBI are the cause of corneal dystrophy Groenouw type 1 (CDGG1) [MIM:121900]; also known as corneal dystrophy granular type. Inheritance is autosomal dominant. Corneal dystrophies show progressive opacification of the cornea leading to severe visual handicap. Defects in TGFBI are the cause of corneal dystrophy lattice type 1 (CDL1) [MIM:122200]. Inheritance is autosomal dominant. Defects in TGFBI are a cause of corneal dystrophy Thiel-Behnke type (CDTB) [MIM:602082]; also known as corneal dystrophy of Bowman layer type 2 (CDB2). Defects in TGFBI are the cause of Reis-Buecklers corneal dystrophy (CDRB) [MIM:608470]; also known as corneal dystrophy of Bowman layer type 1 (CDB1). Defects in TGFBI are the cause of lattice corneal dystrophy type 3A (CDL3A) [MIM:608471]. CDL3A clinically resembles to lattice corneal dystrophy type 3, but differs in that its age of onset is 70 to 90 years. It has an autosomal dominant inheritance pattern. Defects in TGFBI are the cause of Avellino corneal dystrophy (ACD) [MIM:607541]. ACD could be considered a variant of granular dystrophy with a significant amyloidogenic tendency. Inheritance is autosomal dominant.
序列相似性	Contains 1 EMI domain. Contains 4 FAS1 domains.
翻译后修饰	Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium.
细胞定位	Secreted > extracellular space > extracellular matrix. May be associated both with microfibrils and with the cell surface.

图片



SDS-PAGE - Recombinant Human TGFBI protein (ab86989)

15% SDS-PAGE showing ab86989 at approximately 19.9kDa (3µg).
Note: Real molecular weight on SDS-PAGE is shifted up compared to predicted molecular weight.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors