

# Recombinant human TGF beta 1 protein (Active) ab271757

画像数 2

### 製品の詳細

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製品名	Recombinant human TGF beta 1 protein (Active)
生理活性	The ED <sub>50</sub> measured by TGFβ1's ability to inhibit mL-4-dependent proliferation of HT-2 mouse helper T cells is <0.05ng/ml.
精製度	>= 90 % SDS-PAGE.
エンドトキシン・レベル	< 1.000 Eu/μg
発現系	Freestyle 293-F cells
アクセッション番号	<b><u>P01137</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	AL DTNYCFSSTE KNCCVRQLYI DFRKDLGWKW IHEPKGYHAN FCLGPCPYIW SLDTQYSKVL ALYNQHNPQA SAAPCCVPQA LEPLPIVYV GRKPKVEQLS NMIVRSCKCS
予測される分子量	44 kDa
領域	279 to 390
配列の追加情報	Mature chain.

### 特性

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Our **Abpromise guarantee** covers the use of **ab271757** in the following tested applications.

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

アプリケーション	SDS-PAGE Functional Studies
製品の状態	Lyophilized

### 前処理および保存

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**保存方法および安定性**

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 2.50

Constituents: 0.75% Glycine, 0.58% Sodium chloride

Buffer lyophilized from. 0.2 µm filtered.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

**再構成**

Reconstitute in sterile 0.2 M acetic acid with 0.1% BSA. Further dilutions may be made in PBS with 0.1% BSA. To maximize product collection from vial surface, vortex briefly and then spin down to recollect the liquid.

**関連情報**

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**機能**

Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts.

**組織特異性**

Highly expressed in bone. Abundantly expressed in articular cartilage and chondrocytes and is increased in osteoarthritis (OA). Co-localizes with ASPN in chondrocytes within OA lesions of articular cartilage.

**関連疾患**

Defects in TGFB1 are the cause of Camurati-Engelmann disease (CE) [MIM:131300]; also known as progressive diaphyseal dysplasia 1 (DPD1). CE is an autosomal dominant disorder characterized by hyperostosis and sclerosis of the diaphyses of long bones. The disease typically presents in early childhood with pain, muscular weakness and waddling gait, and in some cases other features such as exophthalmos, facial paralysis, hearing difficulties and loss of vision.

**配列類似性**

Belongs to the TGF-beta family.

**翻訳後修飾**

Glycosylated.

The precursor is cleaved into mature TGF-beta-1 and LAP, which remains non-covalently linked to mature TGF-beta-1 rendering it inactive.

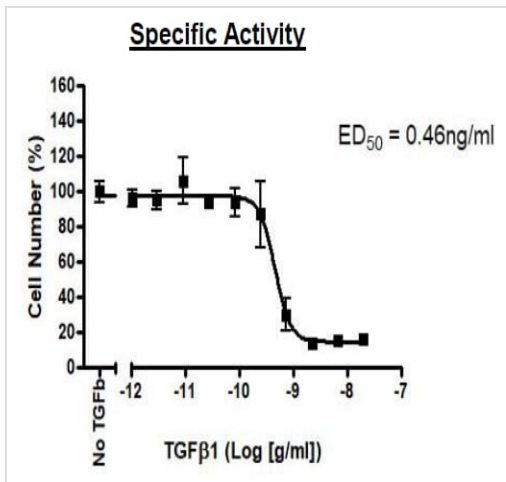
**細胞内局在**

Secreted > extracellular space > extracellular matrix.

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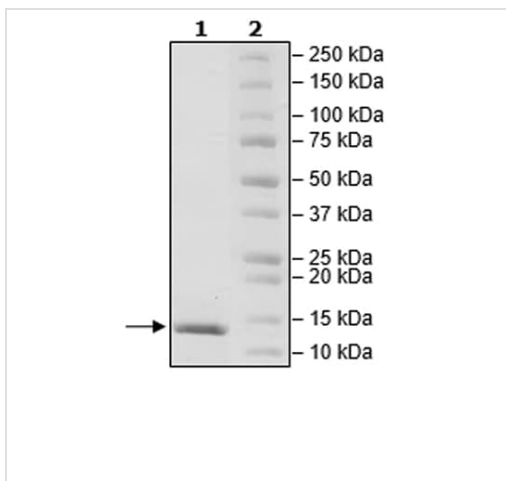
**画像**

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Specific activity of ab271757.

Functional Studies - Recombinant human TGF beta 1 protein (Active) (ab271757)



SDS-PAGE analysis of 2 μg ab271757.

SDS-PAGE - Recombinant human TGF beta 1 protein (Active) (ab271757)

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

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