

### Recombinant Human TGF beta 1 protein ab130946

#### 描述

产品名称	重组人TGF beta 1蛋白
纯度	> 98 % SDS-PAGE. > 98% by HPLC
表达系统	HEK 293 cells
Accession	<b>P01137</b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	ALDTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHAN FCLGPCPY IWSLDTQYSKVLALYNQHNPASAAPCCVPQALEPLPIVYYYV GRKPKVEQ LSNMIVRSCKCS
预测分子量	13 kDa
氨基酸	279 to 390

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab130946** 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 HPLC
形式	Lyophilized

#### 制备和贮存

稳定性和存储	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles. Constituent: 0.1% Trifluoroacetic acid
复溶	Resuspend in 10 mM citric acid pH 3.0 to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage dilute further in a buffer containing a carrier protein (for example 0.1% BSA). Store reconstituted protein at -20°C. Avoid repeated thawing and freezing.

## 常规信息

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功能	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.
组织特异性	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.
疾病相关	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.
序列相似性	Belongs to the TGF-beta family.
翻译后修饰	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.
细胞定位	Secreted > extracellular space > extracellular matrix.

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

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