abcam

Product datasheet

Recombinant Human TGF beta 1 protein ab82991

画像数1

製品の詳細

製品名 Recombinant Human TGF beta 1 protein

精製度 > 95 % SDS-PAGE.

発現系 Escherichia coli

タンパク質長 Full length protein

Animal free No

由来 Recombinant

生物種 Human 領域 279 to 390

特性

Our <u>Abpromise guarantee</u> covers the use of ab82991 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

製品の状態 Liquid

前処理および保存

保存方法および安定性 Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

pH: 4.80

Constituents: 50% Glycerol (glycerin, glycerine), 0.3% Sodium acetate trihydrate

関連情報

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.

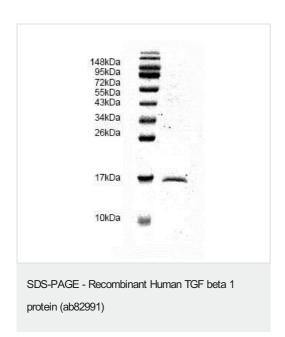
翻訳後修飾 Glycosylated.

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.

画像



SDS-PAGE showing ab82991.

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