

Product datasheet

Recombinant human TGF beta 2 protein (Active) ab84070

[8 References](#) [1 Image](#)

Description

Product name	Recombinant human TGF beta 2 protein (Active)
Biological activity	Determined by its ability to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells. The ED ₅₀ was found to be = 0.2 ng/ml, corresponding to a specific activity of = 5 x 10 ⁶ units/mg.
Purity	> 98 % SDS-PAGE. > 98% HPLC analyses.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	<u>P61812</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ALDAAYCFRN VQDNCCLRPL YIDFKRDLGW KWIHEPKGYN ANFCAGACPY LWSSDTQHRS VLSLYNTINP EASASPCCVS QDLEPLTILY YIGKTPKIEQ LSNMIVKSCK CS
Predicted molecular weight	25 kDa
Amino acids	303 to 414

Specifications

Our **Abpromise guarantee** covers the use of **ab84070** in the following tested applications.

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

Applications	HPLC Functional Studies SDS-PAGE Western blot
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Stable for 12 months at -20°C.

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

Reconstitution

Reconstitute in water to 0.1-1.0 mg/ml. Store at 2°C to 8°C for up to 1 week or prepare for extended storage. After initial reconstitution, further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA). Store working aliquots at -20°C to -80°C.

General Info

Function

TGF-beta 2 has suppressive effects on interleukin-2 dependent T-cell growth.

Involvement in disease

A chromosomal aberration involving TGFB2 is found in a family with Peters anomaly.

Translocation t(1;7)(q41;p21) with HDAC9.

Loeys-Dietz syndrome 4

Defects in TGFB2 may be a cause of non-syndromic aortic disease (NSAD). NSAD is a frequently asymptomatic but potentially lethal disease characterized by thoracic aortic aneurysms and dissections without additional syndromic features.

Sequence similarities

Belongs to the TGF-beta family.

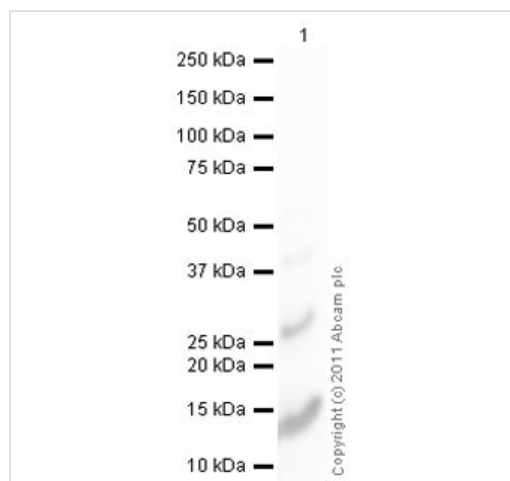
Post-translational modifications

The precursor is cleaved into mature TGF-beta-2 and LAP, which remains non-covalently linked to mature TGF-beta-2 rendering it inactive.

Cellular localization

Secreted.

Images



Western blot - Recombinant human TGF beta 2 protein (ab84070)

Recombinant ab84070 is a homodimer with an expected molecular weight of 25kDa. The monomeric form is expected to run at approximately 12kDa.

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

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