

Product datasheet

Recombinant human TGF beta 3 protein (Active) ab52313

[1 References](#) [2 Images](#)

Description

Product name	Recombinant human TGF beta 3 protein (Active)
Biological activity	ab52313 is fully biologically active. The ED ₅₀ was determined by cytotoxicity assay using the WHO standard 98/608 as a direct comparison is < 0.05 ng/ml, corresponding to a specific activity of > 2 x 10 ⁸ units/mg.
Purity	> 98 % SDS-PAGE. >98% HPLC analyses
Expression system	Escherichia coli
Accession	<u>P10600</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWVHEPKGY ANFCSGPCPY LRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVKKSCK CS
Predicted molecular weight	26 kDa
Amino acids	301 to 412
Additional sequence information	(Gene symbol: TGFB3) (Gene ID: 7043)

Specifications

Our **Abpromise guarantee** covers the use of **ab52313** in the following tested applications.

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

Applications	HPLC
	Western blot
	Functional Studies
	SDS-PAGE

Form	Liquid
Additional notes	<p>This product is manufactured by BioVision, an Abcam company and was previously called 4344 TGF-beta3, human recombinant. 4344-5 is the same size as the 5 µg size of ab52313.</p> <p>Endotoxin level: <0.1 ng/µg.</p> <p>Centrifuge the vial prior to opening.</p>

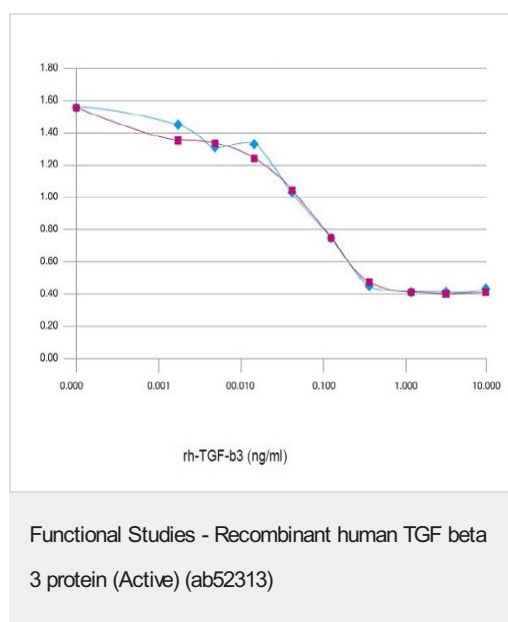
Preparation and Storage

Stability and Storage	<p>Shipped at 4°C. Store at +4°C. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). Please see notes section.</p> <p>Constituents: 20% Ethanol, 0.06% Acetic acid buffer</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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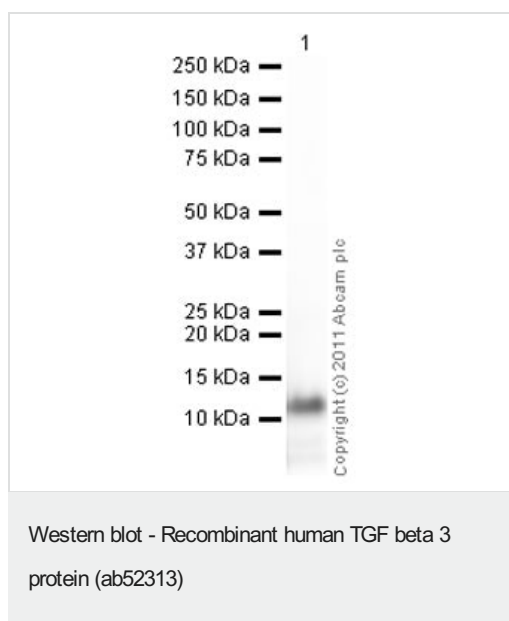
General Info

Function	Involved in embryogenesis and cell differentiation.
Involvement in disease	<p>Defects in TGFB3 are a cause of familial arrhythmogenic right ventricular dysplasia type 1 (ARVD1) [MIM:107970]; also known as arrhythmogenic right ventricular cardiomyopathy 1 (ARVC1). ARVD is an autosomal dominant disease characterized by partial degeneration of the myocardium of the right ventricle, electrical instability, and sudden death. It is clinically defined by electrocardiographic and angiographic criteria; pathologic findings, replacement of ventricular myocardium with fatty and fibrous elements, preferentially involve the right ventricular free wall.</p>
Sequence similarities	Belongs to the TGF-beta family.
Cellular localization	Secreted.

Images



Cytotoxicity Assay of ab52313.



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