

Product datasheet

Recombinant human TGF beta 3 protein (Active)  
ab52313

1 References 2 Images

Description

<b>Product name</b>	Recombinant human TGF beta 3 protein (Active)	
<b>Biological activity</b>	ab52313 is fully biologically active.  The ED <sub>50</sub> 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 <sup>8</sup> units/mg.	
<b>Purity</b>	> 98 % SDS-PAGE. >98% HPLC analyses	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P10600</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KWWHEPKGYY ANFCSGPCPY LRSADTTHST VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVKKSCS CS	
<b>Predicted molecular weight</b>	26 kDa	
<b>Amino acids</b>	301 to 412	
<b>Additional sequence information</b>	(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.

<b>Applications</b>	HPLC
	Western blot
	Functional Studies
	SDS-PAGE

<b>Form</b>	Liquid
<b>Additional notes</b>	Endotoxin level: <0.1 ng/μg Centrifuge the vial prior to opening.

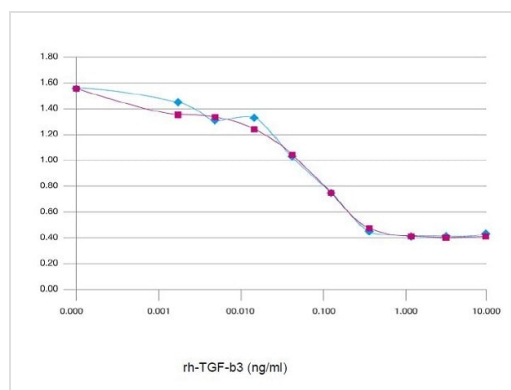
## Preparation and Storage

<b>Stability and Storage</b>	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. Constituents: 20% Ethanol, 0.12% Acetic acid buffer This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## General Info

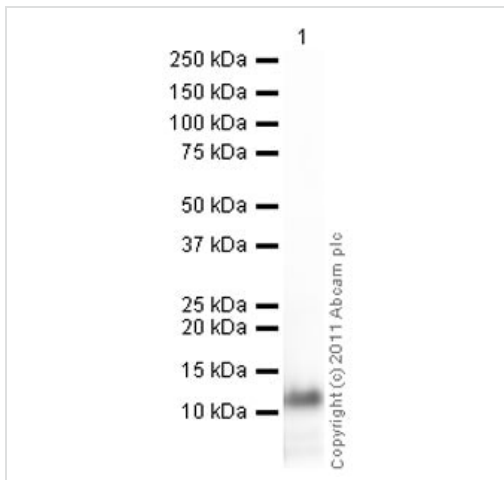
<b>Function</b>	Involved in embryogenesis and cell differentiation.
<b>Involvement in disease</b>	Defects in TGFB3 are a cause of familial arrhythmogenic right ventricular dysplasia type 1 (ARVD1) [MIM:107970]; also known as arrhythmogenic right ventricular cardiomyopathy 1 (ARVC1). ARVD is an autosomal 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.
<b>Sequence similarities</b>	Belongs to the TGF-beta family.
<b>Cellular localization</b>	Secreted.

## Images



Cytotoxicity Assay of ab52313.

Functional Studies - Recombinant human TGF beta  
3 protein (Active) (ab52313)



Western blot - Recombinant human TGF beta 3 protein (ab52313)

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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