

Product datasheet

Recombinant human TGF beta 3 protein ab52313

1 Image

Overview

Product name	Recombinant human TGF beta 3 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Species	Human
Sequence	ALDTNYCFRN LEENCCVRPL YIDFRQDLGW KVVHEPKGY ANFCSGPCPY LRSADTTHT VLGLYNTLNP EASASPCCVP QDLEPLTILY YVGRTPKVEQ LSNMVKVCK CS
Molecular weight	25 kDa
Amino acids	301 to 412

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.

Biological activity TGF beta 3 is fully biologically active when compared to standard. The ED50 determined by cytotoxicity assay using the world health organization standard 98/608 as a direct comparison is <0.05 ng/ml, corresponding to a specific activity of >2 x 10⁸ units/mg.

Applications Western blot
Functional Studies
SDS-PAGE

Purity > 95 % SDS-PAGE.
>99% by SDS-PAGE and HPLC analyses

Form Liquid

Additional notes This protein solution should be stored at 4°C, stable for at least 3 months. For long term storage, it is recommended to add a carrier protein (0.1% HAS or BSA).

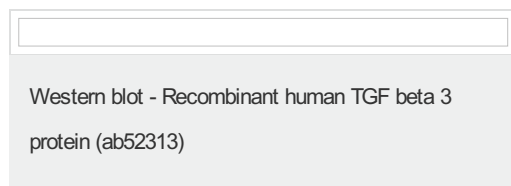
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C. Constituents: 20% Ethanol, 0.1% Sodium acetate This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Involved in embryogenesis and cell differentiation.
Involvement in disease	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.
Sequence similarities	Belongs to the TGF-beta family.
Cellular localization	Secreted.

Images



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