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Product datasheet

Recombinant human TGF beta 3 protein (Animal Free) ab217402

2 References

Description

Product name	Recombinant human TGF beta 3 protein (Animal Free)
Biological activity	Determined by TGF-β3's ability to inhibit the mouse IL-4-dependent proliferation of mouse HT-2 cells. The expected ED_{50} is ≤ 0.05 ng/mL, corresponding to a specific activity of ≥ 2×10^7 units/mg.
Purity	> 98 % SDS-PAGE. > 98 % HPLC.
Expression system	Escherichia coli
Accession	P10600
Protein length	Full length protein
Animal free	Yes
Nature	Recombinant
Species	Human
Sequence	ALDTNYCFRNLEENCCVRPLYIDFRQDLGWKWVHEPKGY YANFCSGPCPY LRSADTTHSTVLGLYNTLNPEASASPCCVPQDLEPLTILYY VGRTPKVEQ LSNMVVKSCKCS
Predicted molecular weight	25 kDa
Amino acids	301 to 412
Additional sequence information	Recombinant Human TGF-β3 is composed of two identical 12.7 kDa, 112 amino acid polypeptide chains linked by a single disulfide bond.

Specifications

Our **Abpromise guarantee** covers the use of **ab217402** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE HPLC
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. Avoid freeze / thaw cycle. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	For lot specific reconstitution information please contact our Scientific Support Team.

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.

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