

PRODUCT INFORMATION

TGFB3 **Target**

Synonyms ARVD; LDS5; RNHF; ARVD1; TGF-beta3

Recombinant human TGFB3(301-412) Protein with Description

N-terminal human Fc tag

Delivery In Stock **Uniprot ID** P10600 **Expression Host HEK293**

Tag N-Human Fc tag

Molecular

Reconstitution

Background

hFc(Glu99-Ala330) TGFB3(Ala301-Ser412) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

38.9 kDa after removal of the signal peptide. The apparent molecular mass of hFc-TGFB3(301-412) is approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a secreted ligand of the TGF-

beta (transforming growth factor-beta)

superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latencyassociated péptide (LAP) and a mature peptide, and is found in either a latent form composed of a

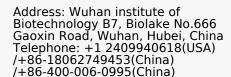
mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family

members. This protein is involved in embryogenesis and cell differentiation, and may play a role in wound healing. Mutations in this gene are a cause of aortic aneurysms and dissections, as well as familial arrhythmogenic right ventricular dysplasia 1. [provided by RefSeq,

> Email: info@dimabio.com Website: www.dimabio.com

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Usage Research use only Conjugate Unconjugated





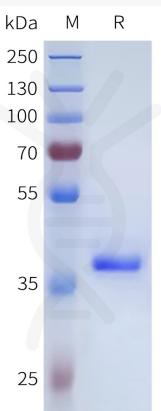


Figure 1. Human TGFB3(301-412) Protein, hFc Tag on SDS-PAGE under reducing condition.

