

## **PRODUCT INFORMATION**

TGFB2 **Target** 

**Synonyms** LDS4; G-TSF; TGF-beta2

Recombinant human TGFB2(21-414) Protein with Description

N-terminal 10×His tag

**Delivery** In Stock **Uniprot ID** P61812 **Expression Host HEK293** 

Tag N-10×His tag

Molecular

**Purity** 

10×His tag TGFB2(Leu21-Ser414) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 46.9 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution 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 at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

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 latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a

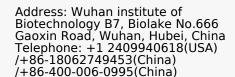
**Background** 

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. Disruption of the TGF-beta/SMAD pathway has been implicated in a variety of human cancers. A chromosomal translocation that includes this gene is associated with Peters' anomaly, a congenital defect of the anterior chamber of the eye. Mutations in this gene may be associated with Loeys-Dietz syndrome. This gene encodes multiple isoforms that may

undergo similar proteolytic processing. [provided by RefSeq, Aug 2016]

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Research use only Usage Conjugate Unconjugated





Cat. No. PME101793



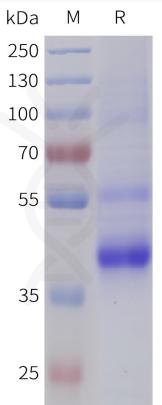


Figure 1. Human TGFB2(21-414) Protein, His Tag on SDS-PAGE under reducing condition.

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