

# Human TGFA / TGF-alpha Protein

Catalog Number: 11252-HNAE



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

TFGA; TGFa

### Protein Construction:

A DNA sequence encoding the human TGFa (P01135-1) (Val40-Ala89) was expressed and purified.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 90 % as determined by SDS-PAGE

### Bio Activity:

**1. Measured by its binding ability in a functional ELISA. Immobilized human TGFa (cat:11252-HNAE) at 10 µg/ml (100 µl/well) can bind human EGFR-Fc (Cat:10001-H02H). The EC<sub>50</sub> of human EGFR-Fc (Cat:10001-H02H) is 20-60 ng/ml. 2. Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblast cells. The ED<sub>50</sub> for this effect is 0.5-2.5 ng/mL.**

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Met

### Molecular Mass:

The recombinant human TGFa consists of 50 amino acids and has a predicted molecular mass of 5.6 kDa. The apparent molecular mass of it is approximately 13 kDa in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

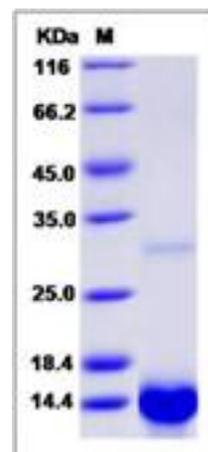
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



**Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.**

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