

Recombinant Human TGF-alpha Protein

Catalog No.: RP01780 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 7039 P01135-1

Tags

No-tag

Synonyms TFGA;TGF-alpha

Product Information

Source Purification
E. coli ≥ 90 % as

determined by SDS-PAGE.

Calculated MW Observed MW

5.55 kDa 10-15 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of 50mM Tris□100mM NaCl□pH8.0

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The miR-137 served as a tumor suppressor in non-small cell lung cancer (NSCLC) and its suppressive effect is mediated by repressing TGFA expression. TGFA gene expression was significantly higher in tumor tissues compared to adjacent normal tissue and high TGFA gene expression strongly correlated with poor survival in patients with lung adenocarcinoma, and miR-374a suppresses lung adenocarcinoma cell proliferation and invasion via targeting TGFA gene expression. Transforming growth factor alpha (TGFA) is a well-characterized mammalian growth factor that might contribute to the development of Cleft lip and palate (CL/P).

Basic Information

Description

Recombinant Human TGF-alpha Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Val40-Ala89) of human TGF-alpha/TGFA (Accession #NP_003227.1) fused with no tag.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

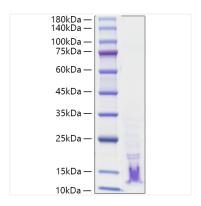
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human TGF-alpha Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.