

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
<i>E. coli</i>	> 92% by SDS-PAGE.

Calculated MW	Observed MW
5.55 kDa	10-15 kDa

Endotoxin

<1EU/μg

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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

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.

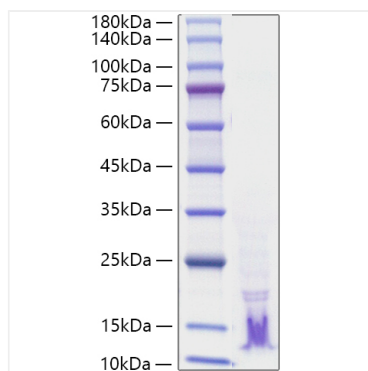
Avoid repeated freeze/thaw cycles.

Contact

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Validation Data



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