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37-1130: Human TGFA / TGF-alpha Recombinant Protein(Discontinued)

Reactivity : Human
Alternative Name : TFGA Protein, TGFa Protein,

Description

Source : E. coli
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 which might contribute to the development of Cleft lip and palate (CL/P).

Product Info

Amount :	alpha Recombinant Protein(Discontinued) / 100 µg
Purification :	> 90 % as determined by SDS-PAGE
Content :	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.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Val40-Ala89

Application Note

1. Measured by its binding ability in a functional ELISA. Immobilized human TGFa at 10 ÃÂµg/ml (100 ÃÂµL/well) can bind human EGFR-Fc. The EC50 of human EGFR-Fc is 20-60 ng/ml. 2. Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 0.5-2.5 ng/mL.
Other pack size also available.

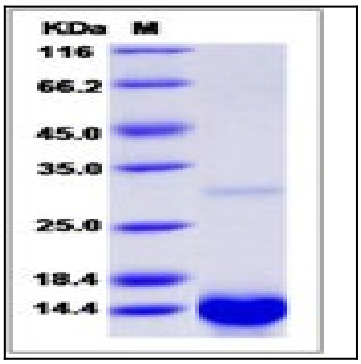


Fig 1: Human TGFA / TGF-alpha Recombinant Protein

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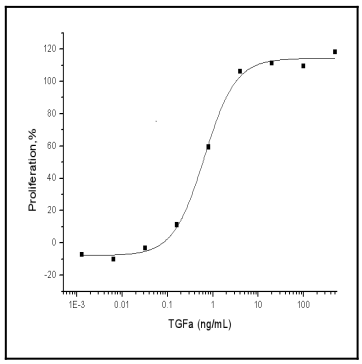


Fig 2: Human TGFA / TGF-alpha Recombinant Protein measured by a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblast cells.

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