

Bioactive

TGFA (Human) Recombinant Protein

Catalog # P6239

Size 250 ug

Applications

Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human TGFA (P01135) recombinant protein expressed in <i>E.Coli</i> .
Sequence	VVSHFNDPCDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLA
Host	Escherichia coli
Theoretical MW (kDa)	5.6
Form	Lyophilized
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL) (50% confidence)
Activity	ED ₅₀ <= 2 ng/mL 3T3 cell proliferation The values provided above are minimum expected values to pass internal requirements.
Quality Control Testing	Reducing and Non-Reducing SDS PAGE
Conformation	Monomer

Storage Buffer

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).

Storage Instruction

Stored at -20°C to -80°C for 12 month.
After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month.
Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis
Result of activity analysis

Applications

- Western Blot
- Functional Study

Gene Info — TGFA

Entrez GeneID[7039](#)**Protein Accession#**[P01135](#)**Gene Name**

TGFA

Gene Alias

TFGA

Gene Description

transforming growth factor, alpha

Omim ID[190170](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Transforming growth factors (TGFs) are biologically active polypeptides that reversibly confer the transformed phenotype on cultured cells. TGF-alpha shows about 40% sequence homology with epidermal growth factor (EGF; MIM 131530) and competes with EGF for binding to the EGF receptor (MIM 131550), stimulating its phosphorylation and producing a mitogenic response.[supplied by OMIM]

Other Designations

transforming growth factor-alpha

Pathway

- [ErbB signaling pathway](#)
- [Glioma](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Adenocarcinoma](#)
- [Anodontia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Irritable Bowel Syndrome](#)
- [Liver Neoplasms](#)
- [Mouth Neoplasms](#)
- [Pre-Eclampsia](#)

- [Prenatal Exposure Delayed Effects](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)
- [Uniparental Disomy](#)