Bioactive

TGFA (Human) Recombinant Protein

Catalog # P6239 Size 250 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human TGFA (P01135) recombinant protein expressed in *E.Coli*.
Sequence	VVSHFNDCPDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLA
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

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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

- Functional Study
- Western Blot

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 t ransformed phenotype on cultured cells. TGF-alpha shows about 40% sequence homology with e pidermal growth factor (EGF; MIM 131530) and competes with EGF for binding to the EGF recep tor (MIM 131550), stimulating its phosphorylation and producing a mitogenic response.[supplied by OMIM
Other Designations	transforming growth factor-alpha

Pathway

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- 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

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- Prenatal Exposure Delayed Effects
- Stomach Neoplasms
- Tobacco Use Disorder
- Tooth Abnormalities
- Uniparental Disomy

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