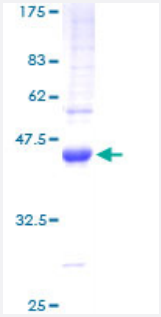
Full-Length

TGFA (Human) Recombinant Protein (P01)

Catalog # H00007039-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TGFA full-length ORF (AAH05308, 1 a.a. - 159 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVPSAGQLALFALGIVLAACQALENSTSPLSDPPVAAAVVSHFNDCPDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLAVVAASQKKQAITALVVVSIVALAVLIITCVLIHCCQVRKHCEWCRALICRHEKPSALLKGRTACCHSETVV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.23
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TGFA

Entrez GeneID	7039
GeneBank Accession#	BC005308
Protein Accession#	AAH05308
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

- 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