

## ARG70105

## Human TGF alpha recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg

Store at: -20°C

### Summary

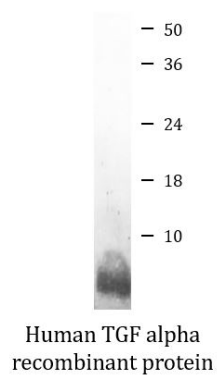
Product Description	E. coli expressed, His-tagged (C-ter) Active Human TGF alpha recombinant protein
Tested Application	SDS-PAGE
Target Name	TGF alpha
Species	Human
A.A. Sequence	Trp40 - Ala89
Expression System	E. coli
Activity	Active
Alternate Names	ETGF; EGF-like TGF; TFGA; Protransforming growth factor alpha; TGF-alpha; TGF type 1

### Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	TGFA
Gene Full Name	transforming growth factor, alpha
Background	This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Function	TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar. [UniProt]
Cellular Localization	Transforming growth factor alpha: Secreted, extracellular space. Protransforming growth factor alpha: Cell membrane; Single-pass type I membrane protein. [UniProt]



ARG70105 Human TGF alpha recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70105 Human TGF alpha recombinant protein (Active) (His-tagged, C-ter).