

## Recombinant Active Human TGFA Protein, His-tagged(C-ter)

Cat. No. TGFA-297H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Active Human TGFA Protein with His tag (C-ter) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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]
<b>Form</b>	Powder
<b>Bio-activity</b>	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant human TGF alpha is > 5 x 10 <sup>6</sup> IU/mg.
<b>AA Sequence</b>	MVVSHFNDPCDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLA
<b>Endotoxin</b>	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
<b>Purity</b>	> 98% (by SDS-PAGE)

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<b>Applications</b>	SDS-PAGE
<b>Notes</b>	For laboratory research only, not for drug, diagnostic or other use.
<b>Storage</b>	Lyophilized protein should be stored at -20°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.
<b>Storage Buffer</b>	PBS (pH 8.0)
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

## GENE INFORMATION

<b>Gene Name</b>	TGFA transforming growth factor, alpha [ Homo sapiens ]
<b>Official Symbol</b>	TGFA
<b>Synonyms</b>	TGFA; transforming growth factor, alpha; protransforming growth factor alpha; TGF-alpha; TFGA;
<b>Gene ID</b>	7039
<b>mRNA Refseq</b>	NM_001099691
<b>Protein Refseq</b>	NP_001093161
<b>MIM</b>	190170

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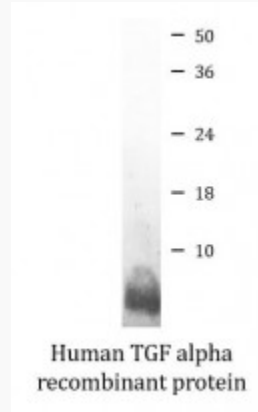
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UniProt ID

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