

Recombinant Human TGFA protein, His & T7-tagged

Cat. No. TGFA-522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFA aa. (Glu24~Ala98 (Accession # P01135)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu24~Ala98
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.6.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

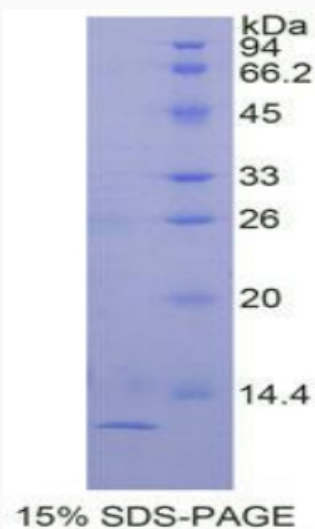
Gene Name	TGFA transforming growth factor alpha [Homo sapiens (human)]
Official Symbol	TGFA
Synonyms	TGFA; transforming growth factor alpha; TFGA; protransforming growth factor alpha; TGF-alpha
Gene ID	7039
mRNA Refseq	NM_001099691.2
Protein Refseq	NP_001093161.1
UniProt ID	P01135

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SDS-PAGE



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