

Recombinant Rat Tgfa protein, His-tagged

Cat. No. Tgfa-523R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tgfa aa. (His42~Glu82) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	His42~Glu82
Description	Acts as an EGF receptor ligand; inhibits apoptosis that results from epithelial detachment from the extracellular matrix
Form	Freeze-dried powder
Molecular Mass	12kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>92%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.
Concentration	200µg/mL
Storage buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex

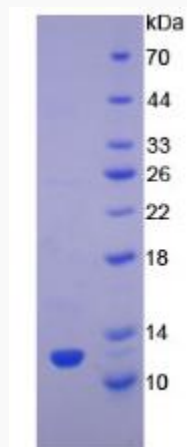
GENE INFORMATION

Gene Name	Tgfa transforming growth factor alpha [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Tgfa
Synonyms	Tgfa; transforming growth factor alpha; TGFAA; RATTGFAA; protransforming growth factor alpha
Gene ID	24827
mRNA Refseq	NM_012671.2
Protein Refseq	NP_036803.1
UniProt ID	P01134

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SDS-PAGE

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