

Recombinant Human TGFA Protein, His&GST-tagged

Cat. No. TGFA-2128H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFA Protein (Val40-Ala89) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val40-Ala89
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: 35.6 kDa Accurate Molecular Mass: 38 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	TGFA transforming growth factor, alpha [Homo sapiens (human)]
Official Symbol	TGFA
Synonyms	TGFA; transforming growth factor, alpha; protransforming growth factor alpha; TGF-alpha; TFGA;
Gene ID	7039
mRNA Refseq	NM_001099691
Protein Refseq	NP_001093161
MIM	190170
UniProt ID	P01135

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