

Recombinant Human TGFA protein, hFc-tagged

Cat. No. TGFA-6744H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TGFA protein(P01135-1)(Val40-Ala89), fused with N-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Val40-Ala89
Tag	N-hFc
Form	Lyophilized from 0.22µm filtered solution in 50mM Tris, 100mM NaCl (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human TGF-alpha, hFc Tag at 0.2ug/ml (100ul/well) on the plate. Dose response curve for Biotinylated Anti-TGF-alpha Antibody, hFc Tag with the EC50 of 6.0ng/ml determined by ELISA (QC Test).
Molecular Mass	The protein has a predicted MW of 32.9 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC

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Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	TGFA transforming growth factor, alpha [Homo sapiens]
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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