

TGF-alpha Recombinant Protein | TGF-alpha/TGFA recombinant protein

Recombinant Mouse TGF-alpha Protein

CATALOG #
AAA283351

HOST
HEK293 cells

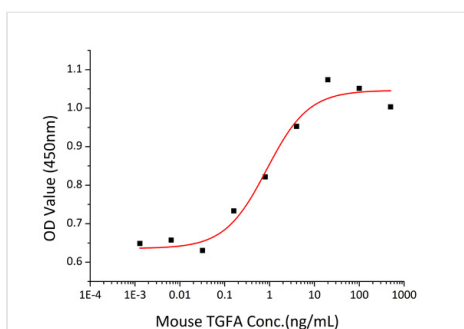
PRODUCT SYNONYMS

TGF-alpha; Recombinant Mouse TGF-alpha Protein; Protransforming growth factor alpha; Cleaved into: Transforming growth factor alpha; EGF-like TGF; ETGF; TGF type 1; Tgfa; TGF-alpha/TGFA recombinant protein

PRODUCT SPECIFICATIONS

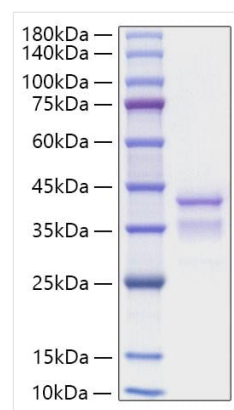
Host	HEK293 cells
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	SPVAAAVVSH FNKCPDSHTQ YCFHGTCRFL VQEEKPACVC HSGYVGVRC E HADLLA
Species	Mouse
Tag	C-hFc
Endotoxin	<0.1EU/ug of the protein by LAL method.
Bio-Activity	Measured in a cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED ₅₀ for this effect is 0.43-1.72ng/mL, corresponding to a specific activity of 15.81×10 ⁵ ~2.33×10 ⁶ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



Application Data

Recombinant Mouse TGF-alpha/TGFA stimulates cell proliferation assay using Balb3T3 mouse fibroblast cells. The ED₅₀ for this effect is 0.43-1.72 ng/mL, corresponding to a specific activity of 15.81×10⁵~2.33×10⁶ units/mg.



SDS-PAGE

Recombinant Mouse TGF-alpha/TGFA Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 32-35,40 kDa.

ADDITIONAL INFORMATION

Related Product Information for TGF-alpha/TGFA recombinant protein	Transforming growth factor alpha (TGF-alpha) is a protein that in humans is encoded by the TGFA gene. TGF-alpha is a member of the EGF family of cytokines that are synthesized as transmembrane precursors and are characterized by the presence of one or several EGF structural units in their extracellular domain. Expression of TGF-alpha is widespread in tumors and transformed cells. TGF-alpha is also expressed in normal tissues during embryogenesis and in adult tissues, including pituitary, brain, keratinocytes, and macrophages. TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.
Product Categories/Family for TGF-alpha/TGFA recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	13654266
NCBI GeneID	21802
NCBI Accession #	NP_112476.1
NCBI GenBank Nucleotide #	NM_031199.4
UniProt Accession #	P48030
UniProt Protein Name	Protransforming growth factor alpha
UniProt Gene Name	Tgfa
UniProt Synonym Gene Names	TGF-alpha; ETGF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tgfa-recombinant-protein-hek293-cells/283351>