

Human TGFA Recombinant Protein



RPPB0967

Product Information Protein Information

Product SKU:

RPPB0967

Accession:

P01135

Host:

Escherichia Coli.

Protein description:

TGFA Human Recombinant (40-89) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 50 amino acids and having a molecular mass of 5.6kDa. The TGFA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Transforming Growth Factor Alpha, Protransforming Growth Factor Alpha, TGF-Alpha, TGFA.

Formulation:

Lyophilized from a 0.2µm filtered solution in 0.1% TFA.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized TGFA in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized TGFA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFA should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA.

Biological Activity:

The ED50, as measured in a proliferation assay using mouse BALB/c 3T3 cells, is 0.395ng/ml.