

Transforming Growth Factor-Alpha Human Recombinant

Item Number	rAP-2486
Synonyms	Transforming Growth Factor Alpha, Protransforming Growth Factor Alpha, TGF-Alpha, TGFA.
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 6kDa. The TGFA is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01135
Amino Acid Sequence	VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TGFA in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ , as measured in a proliferation assay using mouse Balb/3T3 cells, is less than 0.4ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**