

## 32-20361: Animal-Free Recombinant Human TGF-Alpha(Discontinued)

**Alternative Name :** Transforming Growth Factor-Alpha , Sarcoma growth factor, TGF-type I, ETGF

### Description

**Source:**E.coli

TGF-Alpha is an EGF-related polypeptide growth factor that signals through the EGF receptor, and stimulates the proliferation of a wide range of epidermal and epithelial cells. It is produced by monocytes, keratinocytes, and various tumor cells. TGF-Alpha induces anchorage-independent transformation in cultured cells. Human, murine and rat TGF-Alpha are cross-species reactive. Recombinant Human TGF-Alpha is a 50 amino acid polypeptide (5.5 kDa), which shares approximately 40% sequence homology with EGF, including 6 conserved cysteine residues, which form 3 intramolecular disulfide bonds.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA

### Application Note

Determined by its ability to stimulate the proliferation of mouse Balb/c 3T3 cells. The expected ED<sub>50</sub> is <=0.2 ng/ml, corresponding to a specific activity of >= 5 x 10<sup>6</sup> units/mg.