

## 32-20408: Recombinant Human TGF-Alpha (Discontinued)

**Reactivity :** Chicken, Horse, Human, Mouse, Rat

**Alternative Name :** Transforming Growth Factor-Alpha , Sacroma 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-independence 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:  $\geq 98\%$  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

The  $ED_{50}$  as determined by the dose-dependent stimulation of thymidine uptake by BALB/c 3T3 cells is  $\leq 0.2$  ng/ml, corresponding to a specific activity of  $\geq 5 \times 10^6$  units/mg.