

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

### 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  $ED_{50}$  is <=0.2 ng/ml, corresponding to a specific activity of>= 5 x  $10^6$  units/mg.