

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: >= 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 ≤ 0.2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^6$ units/mg.