



Human TGF- α (Receptor Grade)

Description

Human Transforming Growth Factor- α (TGF- α) is a non-glycosylated, single chain, 50 amino acid polypeptide which is a member of the Epidermal Growth Factor (EGF) family of proteins. It promotes the proliferation and differentiation of many cell types displaying the EGF receptor. The biological effects of human TGF- α are likely to be mediated by autocrine and paracrine mechanisms in adult and embryonic cells as well as in a variety of tumours and transformed cells.

References

Gronen LC *et al* (1994) Growth Factors **11**, 235-257
Dunbar AJ & Goddard C (2000) International Journal of Biochemistry and Cell Biology **32**, 805-815.

Source: Produced in *E.coli*.
Molecular Weight: 5546 daltons
Purity: >95 % (by SDS-PAGE)
N-terminal sequence: Analysis of 5 residues

Biological Activity: Stimulation of cell growth in Balb/c 3T3 fibroblasts
(ED₅₀ < 2.5 ng/ml)
Radioreceptor assay in AG2804 fibroblasts
(ED₅₀ < 10 ng/ml)

Endotoxin: < 0.1 EU/ μ g

Appearance: White powder freeze-dried from 0.1M acetic acid and stored under nitrogen at a slight vacuum.

Storage/Stability: At least 2 years at 2-4°C (as a freeze dried product).

Reconstitution: *Handling of EGF, TGF- α and Betacellulin*

Detection: *Enzyme immunoassay of TGF- α*

Product Codes and Pricing

Human TGF- α **100 μ g** **UU100**

Related Products: Human TGF- α antiserum (Rabbit)
Human L- TGF- α (Media grade)

****NOT FOR USE IN HUMANS****

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