



GroPep Bioreagents

Human L-TGF-alpha (Media Grade)

Description

Human L-TGF-alpha is a low-cost analogue of human transforming growth factor-alpha (TGF- α) developed by GroPep specifically for supplementation of mammalian cell culture to support the survival and proliferation of cells in serum-free or low serum culture. It can be used as a like-for-like replacement for native TGF- α or recombinant human TGF- α . It comprises the human TGF- α amino acid sequence plus a 14 amino acid N-terminal extension peptide.

L-TGF- α has applications in fibroblast and epithelial cell culture and has a higher affinity for avian Erb-1 receptors than native EGF, thus is a highly effective growth factor for vaccine production in avian cells. L-TGF- α has shown synergistic effects with L-EGF in keratinocyte growth and synergistic effects with LR3 IGF-I have been observed in various other cell lines.

Media grade L-TGF- α is a high quality product for use in commercial cell culture.

References

Gronen LC *et al* (1994) Growth Factors **11**, 235-257

Source: Produced in *E.coli*.
Molecular Weight: 7113 daltons
Purity: >95 % (by SDS-PAGE)
N-terminal sequence: Analysis of 18 residues

Biological Activity: Stimulation of cell growth in Balb/c 3T3 fibroblasts
(ED₅₀ < 50 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 L-EGF and L-TGF- α for use in Cell Culture*

Product Codes and Pricing

Human L-TGF- α **1 mg** **VM001**

Related Products: Human TGF- α (Receptor Grade)
Human LR3 IGF-I (Media grade)
Human L-EGF (Media grade)

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

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