

Human L-EGF (Media Grade)

Description

Human L-EGF is a low-cost, potent analogue of human epidermal growth factor (EGF) 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 EGF or recombinant human EGF. It comprises the human EGF amino acid sequence plus a 53 amino acid N-terminal extension peptide.

Synergistic effects have been observed with LR³IGF-I in HEK293, PER.C6®, MDCK and HeLa cell lines. L-EGF has also shown synergistic effect with L-TGF-α in keratinocyte differentiation and growth.

Media grade L-EGF 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:

12,298 ± 2 Daltons

Purity:

≥ 95 % (by SDS-PAGE)

N-terminal sequence:

Analysis of 18 residues

Biological Activity:

Stimulation of cell growth in Balb/c 3T3 fibroblasts
(EC₅₀ ≤ 20 ng/ml)

Endotoxin:

≤ 0.1 EU/μg

Appearance:

White powder freeze-dried from 0.01M hydrochloric acid and stored under nitrogen at a slight vacuum.

Storage/Stability:

At least 2 years at 2-8°C (as a freeze dried product).

Reconstitution:

Handling of L-EGF and L-TGF-α for use in Cell Culture

Product Codes

Human L-EGF

1 mg

NM001

5 mg

NM005

Related Products:

Human LR³IGF-I (Media grade)

Human L-TGF-α (Media grade)

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

GroPep Bioreagents Pty Ltd
51 West Thebarton Road
Thebarton SA 5031
Australia

ABN 93 147 032 166

Telephone: +61 8 7222 1051

Postal Address:
PO Box 10065
Adelaide Business Centre
SA 5000
Australia

Email:
info@gropep.com

Internet:
www.gropep.com