PRODUCT DATA SHEET

Bioworld Technology,Inc.

Recombinant EGF, Human

Catalog Number: BK0025-10μg Source: Escherichia coli. Quantity: 10μg

Description:

Epidermal Growth Factor (EGF) is a polypeptide growth factor which stimulates the proliferation of a wide range of epidermal and epithelial cells. Recombinant human Epidermal Growth Factor (EGF) is a 6,200 Da protein containing 53 amino acid residues.

Molecular Weight:

6.0 kDa+/-10% determined by reduced SDS-PAGE

Purity:

Greater than 95% as determined by (a) Analysis by SEC-HPLC(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

Biological Activity:

The ED50, calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells is less then 2 ng/ml, corresponding to a specific activity of 5.0×10ˆ5 IU/mg.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Recombinant human Epidermal Growth Factor (EGF) was lyophilized after extensive dialysis against 10mM Phosphate buffer, pH7.0, 200mM NaCl buffer.

AA Sequence:

MNSDSECPLSHDGYCLHDGVCMYIEALDKYAC
NCVVGYIGERCQYRDLKWWELR

Endotoxin:

Less than 0.1ng/μg (1 EU/μg) of recombinant human Epidermal Growth Factor (EGF) as determined by LAL test.

Reconstitution:

It is recommended to reconstitute the lyophilized recombinant human Epidermal Growth Factor (EGF) in sterile 18 MΩ-cm H2O not less than 100 μg/ml, which can then be further diluted to other aqueous solutions.

Storage:

Lyophilized recombinant Human Epidermal Growth Factor (rhEGF) remains stable up to 12 months at -80℃ from date of receipt. Upon reconstitution, rhEGF should be stable up to 4 weeks at 4℃ or up to 6 months at -20℃.

Usage:

This material is offered by USA Bioworld biotech for research, laboratory or further evaluation purposes. For research use only.

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