



Catalog Number: PR27006

Product Type: Recombinant Protein

Source: *E.Coli*

Amino Acid Sequence: NSDSECLSH DG YCLHDGVC MYIEALDKYA CNCVVG YIGE RCQYRDLKWW ELR

Description/Molecular Mass: Recombinant Human Epidermal Growth Factor produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 53 amino acids and having a molecular mass of 6222 Dalton. The EGF is purified by proprietary chromatographic techniques.

Protein Content: EGF quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 2.858 as the extinction coefficient for a 0.1% (1 mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of EGF human as a Reference Standard.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Biological Activity: The ED₅₀, calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells (measured by 3H-thymidine uptake) is < 0.1 ng/ml corresponding to a specific activity of 1 x 10,000,000 Units/mg.

Format: Lyophilized from a concentrated (1mg/ml) solution containing no additives.

Reconstitution: It is recommended to reconstitute the lyophilized Interleukin-17 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: Lyophilized Interleukin-17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL6 should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

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