CHASELECTION

Recombinant Human EGF

Catalog Number：CYG069F0XXX、CY06 9F0XXX

Synonym：Epidermal Growth Factor, Urogastrone, URG

Source：E. coli

Structure:

This protein carries no tag.
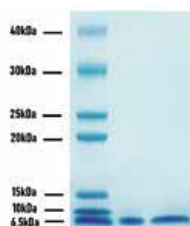
Assession Number: P01133 Gene ID: 1950

AA sequence:

NSDSECPLSHDGYCLHDGVCMYIEALDKYAC NCVVGYIGERCQYRDLKWWELR
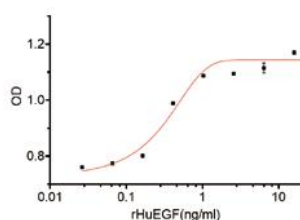
Molecular Weight

Around 6.2 kDa

Purity:

≥95% as determined by SDS-PAGE & HPLC.

SDS-PAGE

Endotoxin：< 0.1 EU/μg

Formulation：

PBS pH 7.4，0.2μm Membrane filtration for sterilization

Biological Activity:

Recombinant human EGF stimulates cell proliferation through mouse Balb/c 3T3 cells, with ED_{50} ≤ 0.1 ng/mL and corresponding specific activity ≥ 1.0×10^7 units/mg

Reconstitution：

1. Before opening, please briefly centrifuge the contents to the bottom;

2. It is recommended to initially dissolve in sterile deionized water to an appropriate concentration (recommended concentration is 0.1-1mg/ml);

3. If the above storage liquid needs to be stored, it should be divided into small quantities and equal parts (not less than 20 μl) If further dilution is required, it should be stored in a suitable buffer containing carrier protein.

Shipping & Storage:

The product is shipped with blue ice.

If long-term storage is required, this product should be stored at ≤ -20 ℃, please avoid repeated freeze-thaw

1. Dry powder can be stored at ≤ -20 ℃ for at least 24 months;

2. After reconstitution, it can be stored for 1 month under sterile conditions at 2-8 ℃ ;

3. After reconstitution, it can be stored for 12 months under sterile conditions at -20~ -70℃.

Introduction：

EGF is an effective growth factor that can stimulate the proliferation of various epidermal and epithelial cells. In addition, EGF has been shown to inhibit gastric juice secretion and participate in wound healing. EGF signals through a receptor called c-erbB, which is a type I tyrosine kinase receptor. This receptor also binds to TGF- and VGF (cowpox virus growth factor).