

Recombinant Human EGF Protein

(For Research Use Only)

Recombinant human EGF is a bioactive growth factor protein intended for use in cell culture applications. Epidermal Growth Factor (EGF) plays an important role in the regulation of cell growth, proliferation, and differentiation of specific cells in vivo and serves as a potent mitogenic factor for a variety of culture cells of both ectodermal and mesodermal origin. The SBD recombinant human EGF is 6.2 kDa protein consisting of 54 amino acid residues.

Product Information

Catalog number: 12-0003

Size: 10 µg, 25 µg, 100 µg, 500 µg

AA Sequence: MNSDSECPLSHDGYCLHDGVCMYIEALDKYACNCVVGYIGERCQYRDLKWWELR

Source: Escherichia Coli.

Purity: Greater than 98%, as determined by SDS-PAGE

Endotoxin: < 1.0 EU/ µg of protein as determined by the LAL assay

Bioactivity: ED50 < 0.1 ng/ml as determined by its ability to the dose dependent proliferation of mouse Balb/c 3T3 cells.

Formulation: Sterile filtered through a 0.2 micron filter and lyophilized from sterile filtered 1X PBS, pH 7.4.

Storage: Store under sterile conditions in the lyophilized form for up to 12 months at- 70°C.

Reconstitution: Centrifuge the vial prior to opening. It is recommended to reconstitute EGF in sterile water to yield a stock solution of 0.1-1.0 mg/ml of EGF. Avoid freeze-thaw cycles as it can result in loss of activity. *Do not vortex.*

SDS Page of Recombinant human EGF Sample:

