

# Recombinant Human EGF

Catalog Number : mly00801

## Characteristics:

<b>Source</b>	Chinese Hamster Ovary cell line
<b>Description</b>	Human EGF (Asn971-Arg1023) Accession # P01133
<b>Predicted molecular mass</b>	6.2 kDa

## Specification:

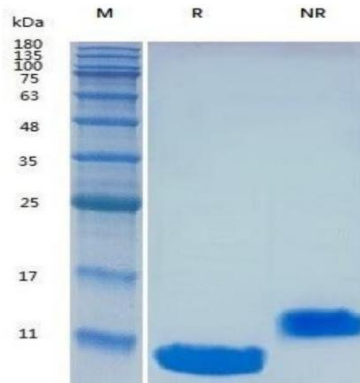
<b>Appearance</b>	White powder, Colorless clear liquid after reconstitution
<b>Purity</b>	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
<b>Endotoxin</b>	≤10 EU/mg by the LAL method
<b>Activity</b>	Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED <sub>50</sub> for this effect ≤0.3 ng/mL.
<b>Formulation</b>	Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
<b>Size</b>	50 µg/vial, 1 mg/vial

## Handling and Storage:

<b>Reconstitution</b>	It is recommended to redissolve in sterile deionized water.
<b>Shipping</b>	The product is shipped with blue ice.
<b>Storage &amp; Stability</b>	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

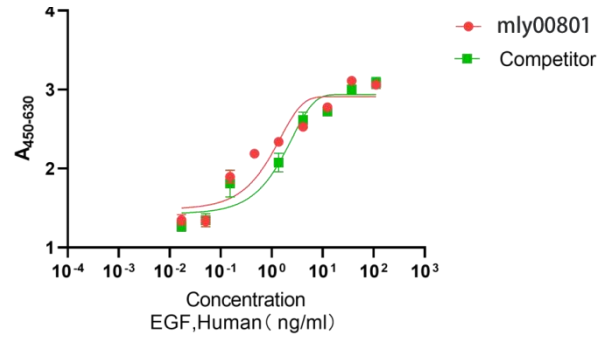
## Data:

### SDS-PAGE



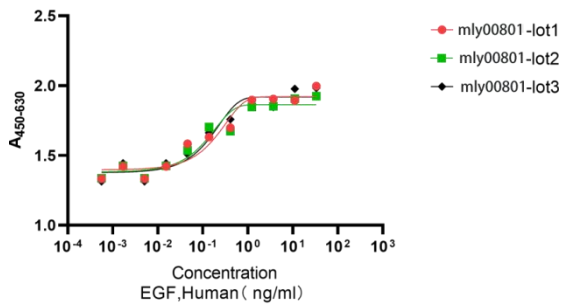
Recombinant Human EGF (Cat. No. mly00801) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with mly00801 SDS-PAGE.

### Bioactivity



Recombinant Human EGF (Cat. No. mly00801) stimulates proliferation of NIH3T3 cells. The  $ED_{50}$  for this effect  $\leq 0.3$  ng/mL. The activity of mly00801 was equivalent to other competing products.

### Bioactivity



Measured in a cell proliferation assay using NIH3T3 cells

### SEC-HPLC

