
Recombinant Human EGF

Catalog Number : mly00801

Characteristics:

Source Chinese Hamster Ovary cell line

Description Human EGF (Asn971-Arg1023)
Accession # P01133

Predicted molecular mass 6.2 kDa

Specification:

Appearance White powder, Colorless clear liquid after reconstitution

Purity ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)

Endotoxin ≤10 EU/mg by the LAL method

Activity Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED₅₀ for this effect ≤0.3 ng/mL.

Formulation Lyophilized from a 0.22 µm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

Size 50 µg/vial, 1 mg/vial

Handling and Storage:

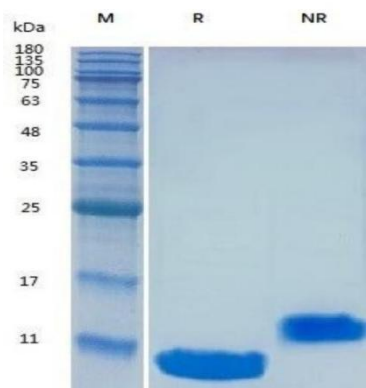
Reconstitution It is recommended to redissolve in sterile deionized water.

Shipping The product is shipped with blue ice.

Storage & Stability 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.

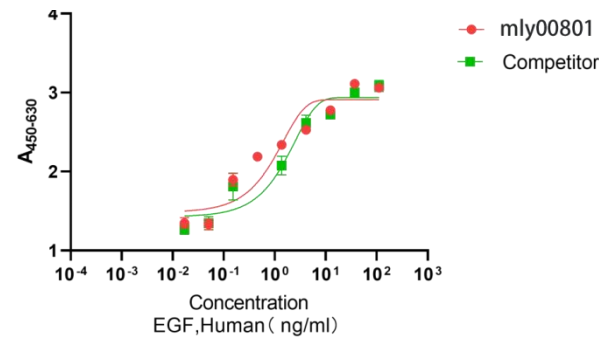
Data:

SDS-PAGE



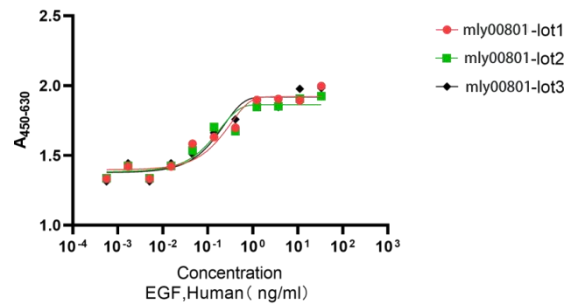
Recombinant Human EGF (Cat. No. mly00801) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with mly00801 SDS-PAGE.

Bioactivity



Recombinant Human EGF (Cat. No. mly00801) stimulates proliferation of NIH3T3 cells. The ED_{50} for this effect ≤ 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

