

Recombinant Human EGF

Catalog Number: C1014

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 ED ₅₀ 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 |

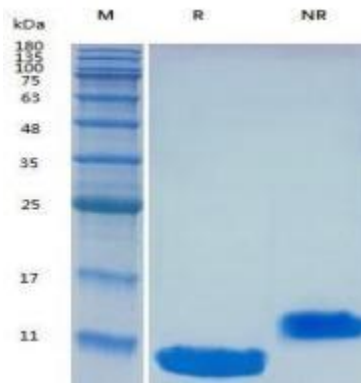
Handling and Storage:

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|--------------------------------|---|
| 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.

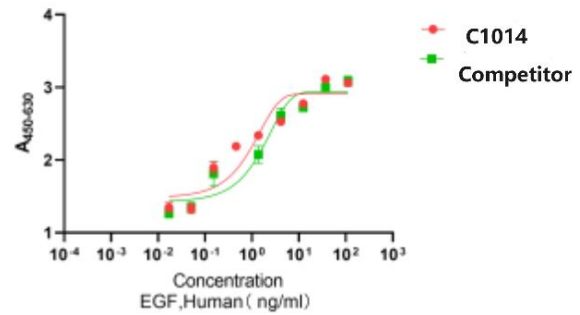
Data:

SDS-PAGE



Recombinant Human EGF (Cat. No. C1014) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with Coomassie Brilliant Blue G250.

Bioactivity



Recombinant Human EGF (Cat. No. C1014) stimulates proliferation of NIH3T3 cells. The ED₅₀ for this effect ≤0.3 ng/mL. The activity of C1014 was equivalent to other competing products.

SEC-HPLC

