

Recombinant Human EGF

Cat. No.:MGC015 size : 10 μ g / 50 μ g / 1mg

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	\geq 95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	\leq 0.01EU/ μ g by the LAL method
Activity	Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast Cells. The ED ₅₀ for this effect \leq 0.3 ng/mL.
Formulation	Lyophilized from a 0.22 μ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4

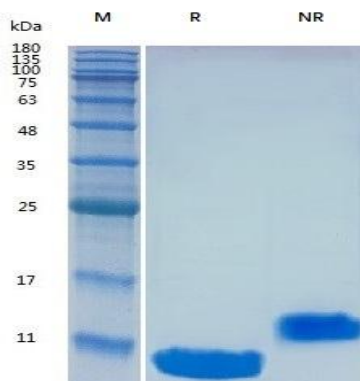
Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	Wet ice (seasonal)
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.

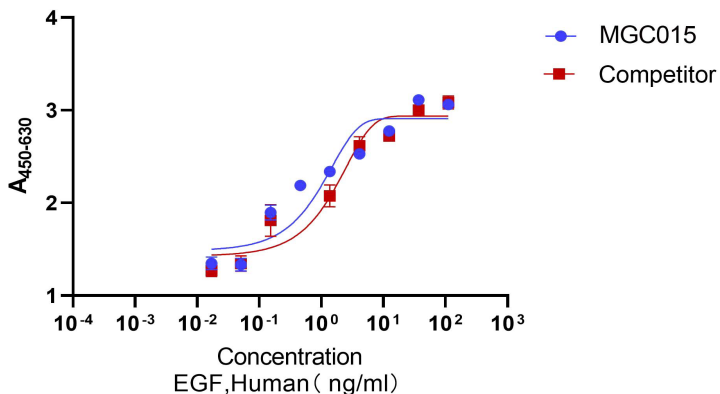
Data:

SDS-PAGE



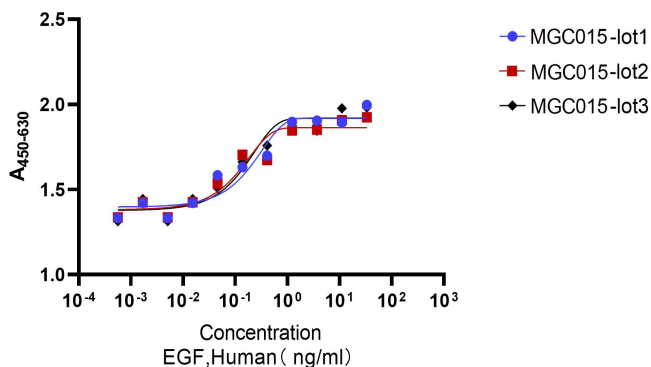
Recombinant Human EGF (Cat. No. MGC015) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with MGC015 SDS-PAGE.

Bioactivity



Recombinant Human EGF (Cat. No. MGC015) stimulates proliferation of NIH3T3 cells. The ED₅₀ for this effect ≤0.3 ng/mL. The activity of MGC015 was equivalent to other competing products.

Bioactivity



Measured in a cell proliferation assay using NIH3T3 cells

SEC-HPLC

