Recombinant Human EGF

Catalog Number: OM643745

Characteristics:

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

Specification:

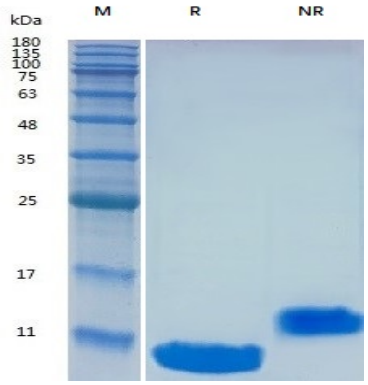
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured in a cell proliferation assay using NIH3T3 mouse embryonic fibroblast 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:

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.**

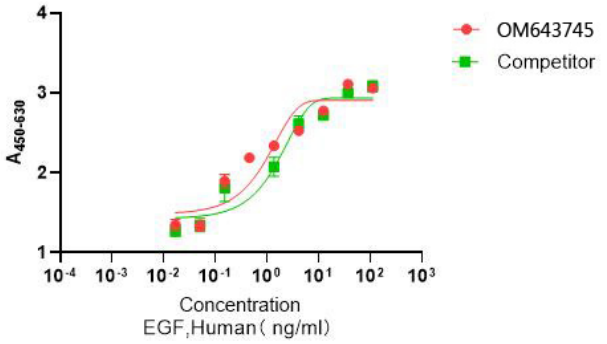
Data:

SDS-PAGE



Recombinant Human EGF (Cat. No. OM643745) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with OM643745 SDS-PAGE.

Bioactivity



Recombinant Human EGF (Cat. No. OM643745) stimulates proliferation of NIH3T3 cells. The ED_{50} for this effect ≤0.3 ng/mL. The acivity of OM643745 was equivalent to other competing products.

SEC-HPLC

