

Recombinant Human GM-CSF

Catalog Number: Y01501

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human GM-CSF(Ala18-Glu144) Accession # P04141
Predicted molecular mass	14.5 kDa

Specification:

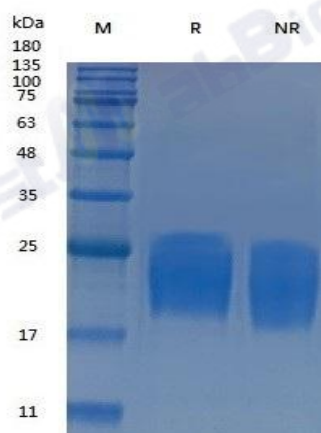
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured in a cell proliferation assay using TF-1 cells. The ED ₅₀ for this effect is ≤0.2 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.

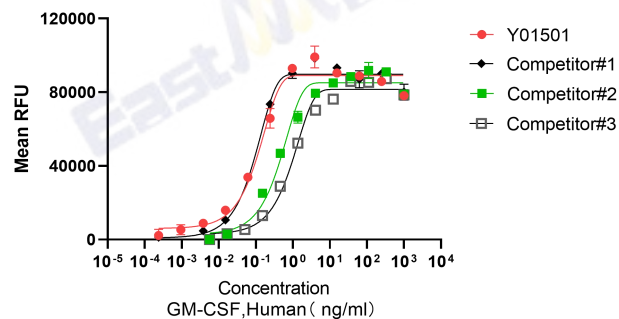
Data:

SDS-PAGE



Recombinant Human GM-CSF (Cat. No. Y01501) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with Y01501 SDS-PAGE.

Bioactivity



Recombinant Human GM-CSF (Cat. No. Y01501) stimulates proliferation of TF-1 cells. The ED_{50} for this effect is ≤ 0.2 ng/mL. Compared with other competitors in terms of bioactivity, Y01501 is equivalent to competitor # 1 > competitor # 2 > competitor # 3.

SEC-HPLC

