

Recombinant Human SCF

Catalog Number: Y03801

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human SCF (Glu 26-Ala 190) Accession # P21583
Predicted molecular mass	18.5 kDa

Specification:

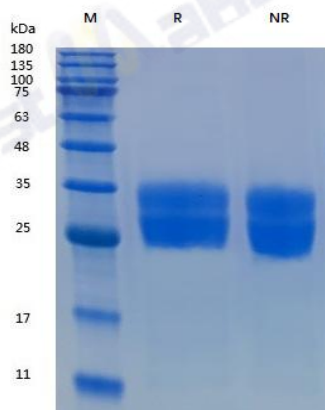
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured in a cell proliferation assay using TF-1 cells. The ED ₅₀ for this effect is 5-8 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.

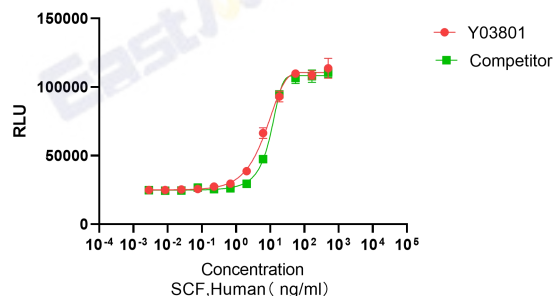
Data:

SDS-PAGE



Recombinant Human SCF (Cat. No. Y03801) SDS-PAGE under reducing (R) & Non-reducing conditions. The gel was stained with Y03801 SDS-PAGE.

Bioactivity



Recombinant Human SCF (Cat. No. Y03801) stimulates proliferation of TF-1 cells. The ED_{50} for this effect is 5-8ng/mL. The activity of Y03801 was higher than other competing products.

SEC-HPLC

