

Recombinant Human HGF

Catalog Number: Y01701

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Human HGF (α chain: Gln 32 -Arg 494 & β chain: Val 495-Ser 728) Accession # P14210
Predicted molecular mass	53.7 kDa (α chain), 26 kDa (β chain)

Specification:

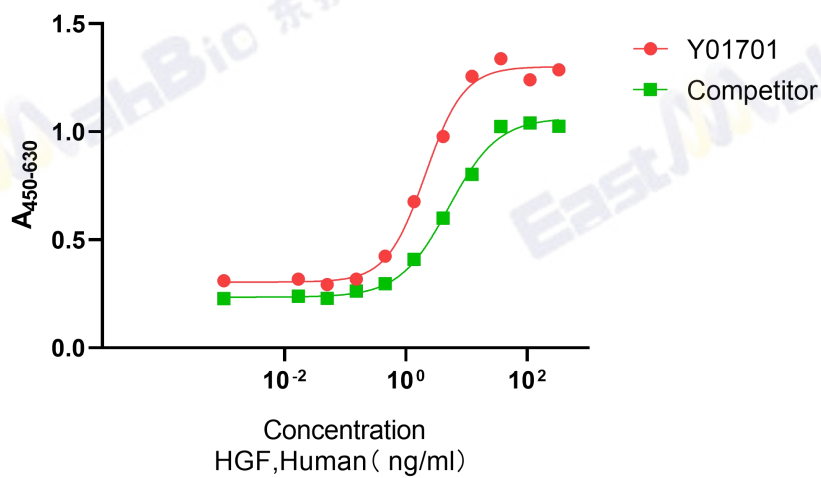
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	$\geq 95\%$, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤ 10 EU/mg by the LAL method
Activity	Measured by its ability to induce IL-11 secretion by Saos-2 human osteosarcoma cells. The ED_{50} for this effect is ≤ 2.5 ng/ml.
Formulation	Lyophilized from a $0.22\ \mu\text{m}$ -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:

Bioactivity



Measured by its ability to induce IL-11 secretion by Saos-2 human osteosarcoma cells. The ED₅₀ for this effect is ≤ 2.5 ng/ml. The activity of Y01701 was higher than the other competing product.