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# Recombinant Human HGF

Catalog Number : mly01701

## Characteristics:

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

## Specification:

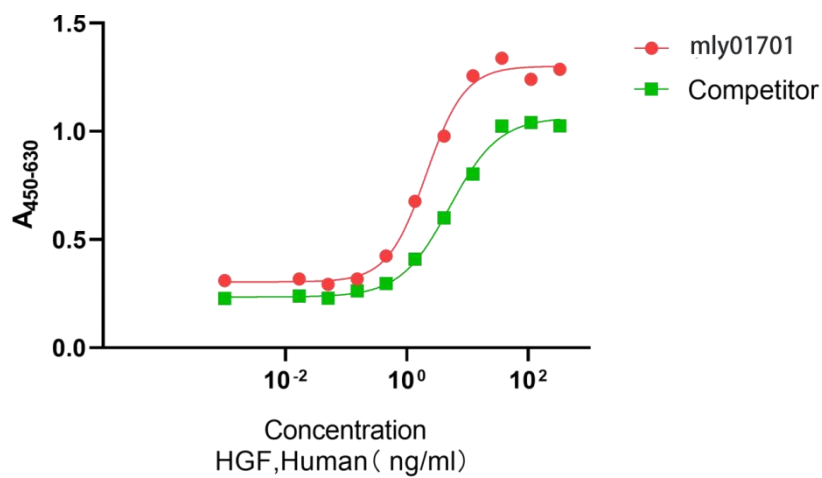
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	$\geq 95\%$ , by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	$\leq 10$ EU/mg by the LAL method
Activity	Measured by its ability to induce IL-11 secretion by Saos-2 human osteosarcoma cells. The $ED_{50}$ for this effect is $\leq 2.5$ ng/ml.
Formulation	Lyophilized from a 0.22 $\mu$ m-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 $\mu$ g/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 $-20^{\circ}\text{C}$ to $-80^{\circ}\text{C}$ in lyophilized state 6 months at $-20^{\circ}\text{C}$ to $-80^{\circ}\text{C}$ under sterile conditions after reconstitution 7-10 days at $2^{\circ}\text{C}$ to $8^{\circ}\text{C}$ 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  $ED_{50}$  for this effect is  $\leq 2.5$  ng/ml. The activity of mly01701 was higher than the other competing product.