

# 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)<br>Accession # P14210 |
| Predicted molecular mass | 53.7 kDa ( $\alpha$ chain), 26 kDa ( $\beta$ chain)                                                 |

## Specification:

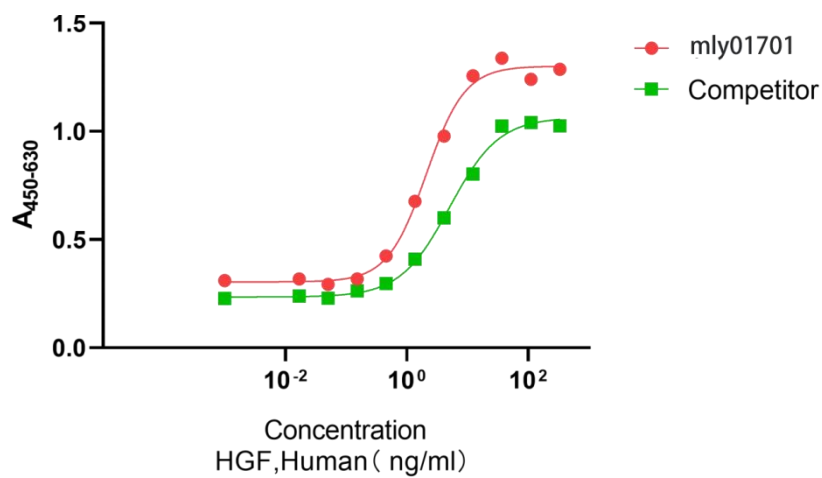
|             |                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>6 months at $-20^{\circ}\text{C}$ to $-80^{\circ}\text{C}$ under sterile conditions after reconstitution<br>7-10 days at $2^{\circ}\text{C}$ to $8^{\circ}\text{C}$ under sterile conditions after reconstitution<br>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.