



**Tinzyme Co., Limited**

Email: [sales@tinzyme.com](mailto:sales@tinzyme.com)

Website: [www.tinzyme.com](http://www.tinzyme.com)

Tel: +86-755-86134126

WhatsApp/Facebook/Twitter: +86-189-22896756

## Recombinant Human HGF

**Product Number: CK01701**

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### 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 ED50 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.**