

**HumanKine<sup>®</sup> HGF (Recombinant Human)**



|                       |                      |          |                |
|-----------------------|----------------------|----------|----------------|
| Animal Component-Free | Human cell expressed | Tag-Free | Endotoxin Free |
|-----------------------|----------------------|----------|----------------|

**Product Description**

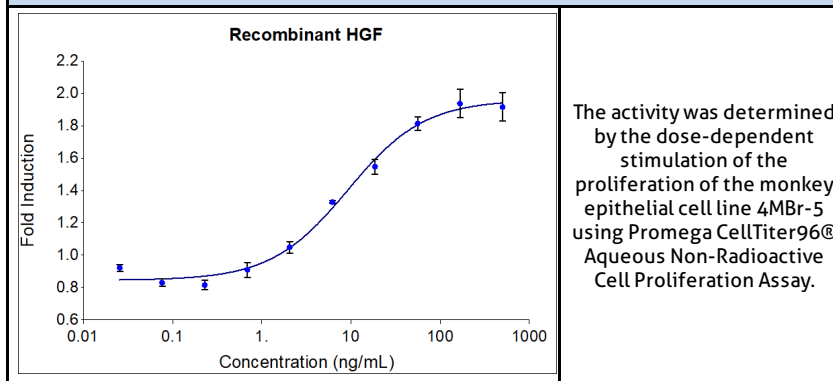
Animal-free Recombinant Human HGF is expressed in human 293 cells and has an apparent molecular mass of 70 kDa. The molecular mass of HGF is lower compared to the reported range for this cytokine expressed in NS0 cells (70 to 80 kDa) which emphasizes the difference in post translational modifications. HGF is produced in a serum-free, chemically defined media. HGF is a mesenchymally derived protein mitogen for mature parenchymal hepatocyte cells and acts as a growth factor for a broad spectrum of tissues and cell types.

|                    |   |
|--------------------|---|
| Alternative Names  | F TCF, Hepatocyte growth factor, Hepatopoeitin A, HGF, HGFB, HPTA, Scatter factor, SF |
| Source             | Human Embryonic Kidney cells (HEK293). HEK293-derived HGF protein                     |
| Species Reactivity | human, monkey, mouse, canine, rat, zebrafish  |

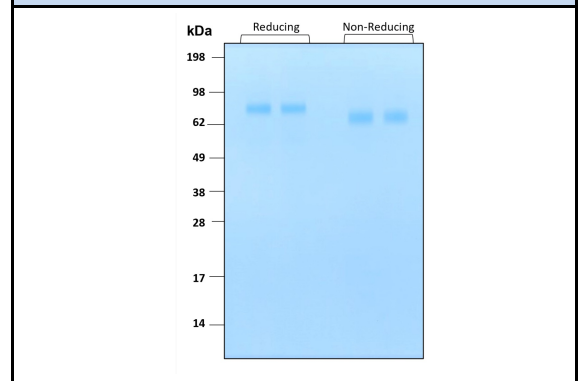
**Specifications**

| Test           | Method  | Specification                      |
|----------------|---|------------------------------------|
| Activity       | Dose-dependent stimulation of the proliferation of the monkey epithelial cell line 4MBr-5 | 5-25 ng/mL EC50                    |
| Molecular Mass | SDS-PAGE  | 70 kDa, single chain, glycosylated |
| Purity         | SDS-PAGE  | >95%                               |
| Endotoxin      | LAL   | <1 EU/μg                           |

**Activity Data**



**SDS-PAGE**



| Preparation          |   |
|----------------------|---|
| Shipping Temperature | ambient temperature   |
| Formulation          | 1x PBS, See Certificate of Analysis for details   |
| Reconstitution       | Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS pH 7.4 containing 0.1% endotoxin-free recombinant human serum albumin (HSA). |

| Stability and Storage              | Product Form              | Temperature Conditions | Storage Time (From Date of Receipt) |
|------------------------------------|---------------------------|------------------------|-------------------------------------|
|                                    | Lyophilized               | -20°C to -80°C         | Until Expiry Date                   |
|                                    | Lyophilized               | Room Temperature       | 2 weeks                             |
|                                    | Reconstituted as per CofA | -20°C to -80°C         | 6 months                            |
|                                    | Reconstituted as per CofA | 4°C                    | 1 week                              |
| Avoid repeated freeze-thaw cycles. |                           |                        |                                     |

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