

Data Sheet**Recombinant Human Hepatocyte Growth Factor (rh HGF)****Preclinical Grade - Order No.: 1424-010**

Source	A single chain version of HGF is expressed in modified human amniocyte cells (CAP [®] ; Miyazawa K., <i>et al.</i> , Biophys. Res. 1989, 163 , 967-973) and subsequently cleaved <i>in vitro</i> to a disulfide linked hetero dimer.
Production	Final manufacturing steps and QC are performed in a GMP facility
Molecular mass	HGF contains 697 amino acid residues and has a molecular mass depending on the level of glycosylation of about 79.6 kDa.
Structure	Disulfide linked heterodimer
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin level	< 1.0 EU/μg, as determined by LAL gel clot test
Activity	≥ 0.5 × 10 ⁶ IU/mg calibrated against WHO-reference standard NIBSC 96/564 Measured by its ability to induce IL-11 secretion of Saos-2 cells
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a 0.2 μm -filtered solution containing 10 mM Na-phosphate and 400 mM NaCl
Mass per vial	10 μg, as determined by spectrophotometrical measurement at 280 nm using formulation buffer as reference
Transport	Ambient temperature
Storage at	-20°C or below. Avoid repeated freeze-thaw cycles
Shelf life	2 years from date of shipment

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Manufacturer

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