

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	Hepatocyte Growth Factor (HGF), Human
Cat. No.:	Z03229-10; Z03229-50; Z03229-1
Lot No.:	R50011812
Size:	10 µg/vial; 50 µg/vial; 1 mg/vial
Storage Condition:	Lyophilized recombinant Human Hepatocyte Growth Factor (HGF) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Hepatocyte Growth Factor (HGF) should be stable up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

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### Quality Control

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Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	98.9%
Specific Activity	< 10 ng/ml	1.4 ng/ml
Molecular Weight	Single chain: 88-90kDa Alpha chain: 59-61kDa Beta chain: 30-34kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	0.1 EU/µg

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### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by: *zh.cui* Date: 11/28/2018

Protein Products Department