

CERTIFICATE OF ANALYSIS

Product Information

Product Name: GM-CSF, Human

Cat. No.: Z02695-10; Z02695-50; Z02695-1

Lot No.: P50121409

10 μg/vial; 50 μg/vial; 1 mg/vial Size:

Lyophilized recombinant human GM-CSF (rhGM-CSF) Storage Condition:

remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rhGM-CSF remains stable up to 2 weeks

at 4°C or up to 3 months at -20°C.

Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 95%	Conformed
Biological Activity (ED ₅₀)	< 0.5 ng/mL	0.49ng/mL
Molecular Weight	14 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	Conformed

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:

Date: 10/20/2014

Protein Products Department