

CERTIFICATE OF ANALYSIS

Product Information

Product Name: GM-CSF, Human (P. pastoris-expressed)
Cat. No.: Z02190
Lot No.: P50041605
Storage Condition: Upon reconstitution, store at 2 - 8°C for up to one week,
and store at - 20°C to - 80°C for long term storage. Avoid
repeated freeze/thaw cycles.

Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze - dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 95%	Conformed
Biological Activity(ED ₅₀)	< 0.2 ng/ml	Conformed
Molecular Weight	26-32 KDa	Conformed
Bacterial Endotoxin	< 1.0 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: Joe Wang Date: 05/20/2016
Protein Products Department