

CERTIFICATE OF ANALYSIS

Product Information

Product Name: GM-CSF, Human (P. pastoris-expressed)
Cat. No.: Z02190-50
Lot No.: R50081804
Size: 50 µg/vial
Storage Condition: Upon reconstitution, store at 2 - 8°C for up to one week,
and store at lower than -70°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)	> 95%	Conformed
Biological Activity(ED ₅₀)	< 0.2ng/ml	0.1 ng/ml
Molecular Weight	26-32 kDa	Conformed
Endotoxin Level	< 1 EU/µg	0.1ng/µg

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: 04/18/2018
Protein Products Department