

CERTIFICATE OF ANALYSIS

Product Information

Product Name: Sonic Hedgehog (Shh), Mouse

Cat. No.: Z02990-10; Z02990-50; Z02990-1

Lot No.: P50031509

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

Storage Condition: Lyophilized recombinant mouse Sonic Hedgehog (rmShh) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rmShh should be stable up to 2 weeks 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.

Quality Control

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 95%	95.4%
Biological Activity (ED ₅₀)	< 1 µg/mL	0.12 µg/mL
Molecular Weight	19.8 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	0.005 EU/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: Joe Wang Date: 03/06/2016
Protein Products Department