

Version 03

Update: 05/15/2022

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name:	Sonic Hedgehog(Shh), Mouse
Cat. No.:	Z02990
Lot No.:	P50031509F
Storage Condition:	Lyophilized recombinant mouseSonic 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.

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### Quality Results

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 95%	Conformed
Biological Activity(ED <sub>50</sub> )	< 1.0 µg/ml	Conformed
Molecular Weight	19.8 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	Conformed

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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: *Dandan Yao*

Date: 12/28/2022

Quality Department

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*