

Version 1.1

Update: 12/27/2019

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: Noggin, Human  
Cat. No.: Z02753  
Lot No.: R50052004  
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.

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### Quality Results

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	>95%	Conformed
HPLC Purity	>95%	Conformed
Molecular Weight	46.3±4.6KDa	Conformed
Biological Activity	> 3.3 x10 <sup>5</sup> IU/mg	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: *Xianli Yang* Date: 04/14/2020

Quality Department

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