

Version : 04
Update : 05/08/2023

CERTIFICATE OF ANALYSIS

Product Information

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| Product Name | Noggin, Human (CHO-expressed) |
| Cat. No. | Z03212 |
| Lot No. | B2311012-A |
| Size: | Specified on product label |
| Formulation: | Lyophilized after extensive dialysis against PBS. |
| Reconstitution: | It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 µg/ml. |
| Stability & Storage: | Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week 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 |
|---------------------|---|---------|
| Appearance | White Freeze-dried Powder | Pass |
| Purity | > 95% as analyzed by SDS-PAGE | Pass |
| Endotoxin Level | < 0.2 EU/µg of protein by gel clotting method | Pass |
| Biological Activity | ED ₅₀ < 2.5 ng/ml, measured in a bioassay using ATDC5 cells in the presence of 10.0 ng/ml human BMP-4. | Pass |

Date: 01/02/2024

Approved by: *Dandan Yao*

Quality Department

For research use only. Not intended for human and animal therapeutic or diagnostic use.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28 Yongxi Road, Jiangning District, Nanjing, Jiangsu, China