

Version : 04  
Update : 05/08/2023

## CERTIFICATE OF ANALYSIS

### Product Information

|                      |  |
|----------------------|--|
| Product Name:        | PEDF, Human  |
| Cat. No.:            | Z02722   |
| Lot No.:             | M2402020   |
| Size:                | Specified on product label   |
| Formulation:         | Lyophilized from a 0.2 $\mu$ m filtered solution in 20 mM PB, pH 7.4, 150 mM NaCl.   |
| 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 sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. |
| Stability & Storage: | Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.                               |

### Quality Control

| Test Items          | Specifications  | Results |
|---------------------|---|---------|
| Appearance          | White Freeze-dried Powder   | Pass    |
| Purity              | > 97% as analyzed by SDS-PAGE<br>> 97% as analyzed by HPLC  | Pass    |
| Endotoxin Level     | < 1 EU/ $\mu$ g of protein by LAL method  | Pass    |
| Biological Activity | Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by its ability to enhance the adhesion of human Saos2 cells to bovine Collagen I coated plate is less than 2.0 ng/ml, corresponding to a specific activity of > 5.0 $\times$ 10 <sup>5</sup> IU/mg. | Pass    |

Date: 02/28/2024

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