# CERTIFICATE OF ANALYSIS

PRODUCT: Recombinant Human Fibroblast Growth Factor 23 FOR RESEARCH

BATCH NO.: Lot specific MANUFACTURING DATE: Lot specific

SIZE: All pack sizes RETEST DATE: Lot specific

TEST BASIS: ENTERPRISE STANDARD

CATALOG #: 1140-23

| **Item** | **Standard** | **Result** |
|---|---|---|
| Characteristics | White Freeze-dried Powder | Conformed |
| pH | 7.5±0.5 | 7.49 |
| SDS-PAGE Electrophoresis Purity | >95% | Conformed |
| HPLC Purity | >95% | 96.37% |
| Specific Biological Activity | >$3.3\times10^3$ IU/mg<br>$ED_{50}$ (NIH/3T3) = <300 ng/ml | $3.41\times10^3$ IU/mg<br>Conformed |
| Molecular Weight | 22.5±2.3 KDa | Conformed |
| Bacterial Endotoxins | <1.0 EU/μg rHuFGF23 | <0.02 EU/μg |
| **The product is tested according to the enterprise standard. The result is QUALIFIED.** | | |

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

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