

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-17 12:31:46  
Date of Next Testing: 2024-06-16 12:31:46

Product Name: Recombinant Human Beta-Defensin 3 Protein  
Lot #: ZJ23F0600350  
SKU #: rp143202  
Version: 3  
Analysis #: 000423  
Source: Recombinant  
Specifications & Purity: Animal Free, >98%(SDS-PAGE, HPLC), Active, E.coli, No tag, 23-67 aa

Concentration:  
Formulation: Lyophilized  
Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at  $\leq -20$  °C. Further dilutions should be made in appropriate buffered solutions.

Storage Conditions: Store at -20°C, Avoid repeated freezing and thawing  
Analysis: 000423

| Parameter                      | Limit Value              | Result                   |
|--------------------------------|--------------------------|--------------------------|
| Molecular Weight               | 4.2-6.2(kD)              | 5.20000 kD               |
| Purity(SDS-PAGE)               | 98-100(%)                | 98.43000 %               |
| Activity(ED50)                 | 0-30( $\mu$ g/ml)        | 17.57500 $\mu$ g/ml      |
| Appearance(rp143202)           | White lyophilized powder | White lyophilized powder |
| Endotoxin Level <1 EU/ $\mu$ g | Conform                  | Conform                  |



Sophia Cheng  
Quality Assurance