

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: Interleukin-21 (IL-21), Mouse

Cat. No.: Z03242-10; Z03242-50; Z03242-1

Lot No.: P50121501

Size: 10 µg/vial; 50 µg/vial; 1mg/vial

Storage Condition: Lyophilized recombinant mouse interleukin-21 (IL-21) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, mouse interleukin-21 (IL-21) should be stable up to 1 week at 4°C or up to 2 months at -20°C.

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### Quality Control

| Test Items                             | Specifications            | Results   |
|--|---------------------------|-----------|
| Physical Appearance                    | White Freeze-dried Powder | Conformed |
| Purity (SDS-PAGE)                      | > 95%                     | Conformed |
| Biological Activity(ED <sub>50</sub> ) | < 1 ng/ml                 | 0.6 ng/ml |
| Molecular Weight                       | 15.1 kDa                  | Conformed |
| Bacterial Endotoxin                    | < 0.2 EU/µg               | Conformed |

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### 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: Joe Wang Date: 04/20/2015  
Protein Products Department