

## CERTIFICATE OF ANALYSIS

### Product Information

Product Name: Thymosin  $\beta$  4, Human  
Cat. No.: Z02908  
Lot No.: R50021709  
Size: 25  $\mu$ g/vial  
Storage Condition: Upon reconstitution, store at 2 - 8°C for up to one week, and store at - 20°C to - 80°C for long term storage.  
**Avoid repeated freeze/thaw cycles.**

### Quality Control

| Test Items                              | Specifications              | Results            |
|---|-----------------------------|--------------------|
| Physical Appearance                     | White Freeze - dried Powder | Conformed          |
| Purity (SDS-PAGE&HPLC)                  | > 97%                       | Conformed          |
| Biological Activity (ED <sub>50</sub> ) | 0.5-10 $\mu$ g/ml           | Conformed          |
| Molecular Weight                        | 4.9 $\pm$ 0.5 KDa           | Conformed          |
| Bacterial Endotoxin                     | < 1.0 EU/ $\mu$ g           | < 0.01 EU/ $\mu$ g |

### 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: 09/07/2017

Protein Products Department