

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: TGF- $\beta$ 3, Human  
Cat. No.: Z03430  
Lot No.: R50041903  
Size: 10  $\mu$ g/vial ; 50ug/vial; 1mg/vial  
Storage Condition: Upon reconstitution, store at 2-8°C for up to one week,  
and store at lower than -70°C for long term storage.  
**Avoid repeated freeze/thaw cycles.**

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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> )	< 0.2ng/ml	Conformed
Molecular Weight	12.7 kDa	Conformed
Endotoxin Level	< 1 EU/ $\mu$ g	< 1 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: zh.cui Date: 03/11//2019  
Protein Products Department