

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: Keratinocyte Growth Factor (KGF), Human

Cat. No.: Z03047-10; Z03047-50; Z03047-1;

Lot No.: P50021812

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

Storage Condition: Lyophilized recombinant human Keratinocyte Growth Factor (rhKGF) remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, rhKGF should be stable up to 2 weeks at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

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### Quality Control

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Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE&HPLC)	> 95%	96.5%
Biological Activity(ED <sub>50</sub> )	< 2 ng/ml	0.25 ng/ml
Molecular Weight	19.0±1.9 kDa	Conformed
Bacterial Endotoxin	< 0.2 EU/µg	0.09EU/µg

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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: zh.cui Date: 12/30/2018

Protein Products Department