

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name: PD-1, His, Human

Cat. No.: Z03424

Lot No.: B60061905

Storage Condition: Lyophilized recombinant Human PD-1 His tag remains stable up to 6 months at lower than -70° C from date of receipt. Upon reconstitution, rhPD-1 should be stable up to 1 week 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

Test Items	Specifications	Results
Physical Appearance	White Freeze-dried Powder	Conformed
Purity (SDS-PAGE)	> 95%	Conformed
Biological Activity	0.024-0.39µg/mL	Conformed
Molecular Weight	30-40 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: zh.cui Date: 07/09/2019  
Protein Products Department