

Version : 01

Update : 11/29/2021

## CERTIFICATE OF ANALYSIS

### Product Information

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Product Name	KRAS, His, Human (G12D)
Cat. No.	Z03598
Lot No.	P2111015
Size	Specified on product label
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS.
Storage	Upon receiving, the lyophilized recombinant KRAS remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, KRAS 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

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Test Items	Specifications	Results
Appearance	White Freeze-dried Powder	Passed
Purity	> 90% as analyzed by SDS-PAGE	Passed
Endotoxin Level	≤ 1 EU/µg of protein by gel clotting method	Passed

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Date: 11/29/2021

Approved by: *Dandan Yao*

Quality Department

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*