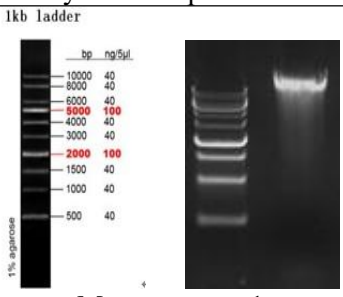
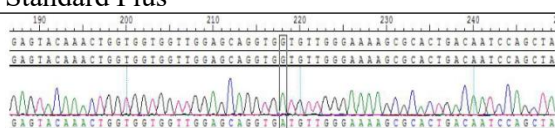


## CERTIFICATE OF ANALYSIS

### Product information

Name	AI-Edigene® NRAS p.G13D Reference Standard Plus
Catalog No.	CBP10554
Lot No.	GBD81684832
Format	Genomic DNA
DNA Change	c.38G>A
AA Change	p.G13D
Mutation Type	Substitution - Missense
Zygoty	Homozygous
%AF	100.00%
Transcript	NM_002524.5
Chr position(GRCh37)	chr1:115258744
Copy Number	2
Ploidy	1.98
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2021/08/31
Expiry	36 months from the date of manufacture

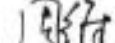
### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*1 vial	1.00 µg/vial*1 vial	√
Concentration	40.00 ng/uL±10%	39.50 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.87 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: AI-Edigene® NRAS p.G13D Reference Standard Plus</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√

**Caution:**

For research use only.

If you have any questions about the Certificate of Analysis, please contact us.

Certified by:  Date:\*\*\*\*

 Date:\*\*\*\*