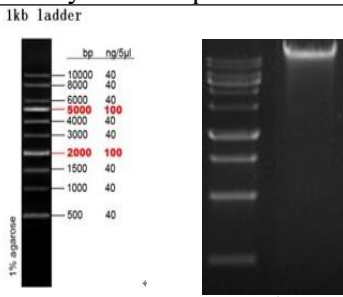
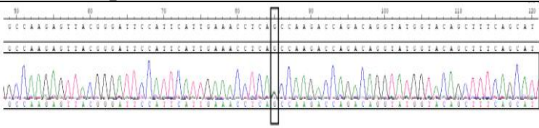


## CERTIFICATE OF ANALYSIS

### Product information

Name	NRAS p.A146T Reference Standard
Catalog No.	CBP10619
Lot No.	CGFA23051002
Format	Genomic DNA
DNA Change	c.436G>A
AA Change	p.A146T
Mutation Type	Missense
Zygosity	Heterozygous
%AF	50.00%
Transcript	NM_002524.5
Chr position(GRCh37)	chr1-115252204-C-T
Copy Number	2
Ploidy	1.94
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/05/10
Expiry	36 months from the date of manufacture

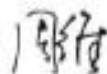
### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*1 vial	1.00 µg/vial*1 vial	√
Concentration	40.00 ng/uL±10%	40.90 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	2.04 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: NRAS p.A146T Reference Standard</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:\*\*\*\*