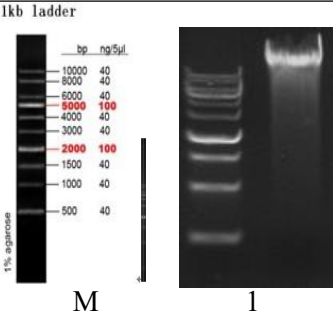
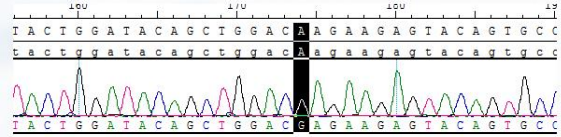


## CERTIFICATE OF ANALYSIS

### Product information

Name	NRAS_Q61R
Catalog No.	CBP10309
Lot No.	CGD22083106
Format	Genomic DNA
DNA Change	c.182A>G
AA Change	p.Q61R
Mutation Type	Substitution - Missense
Zygoty	Homozygous
%AF	100%
Transcript	ENST00000369535
Chr position(GRCh37)	chr1:115256529
Copy Number	3
Ploidy	3.76
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Aug.-30-2022
Expiry	36 months from the date of manufacture

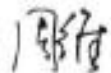
### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*1 vial	1.00 µg/vial*1 vial	√
Concentration	40 ng/uL±10%	40 ng/uL	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.95	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: NRAS_Q61R</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√
%AF	100%	99.61% by DdPCR detection	√

**Caution:**

For research use only.

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

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

 Date:\*\*\*\*