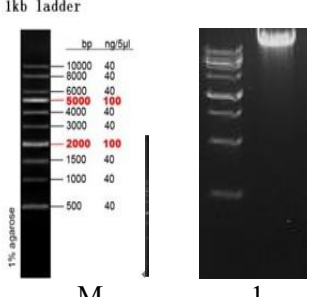
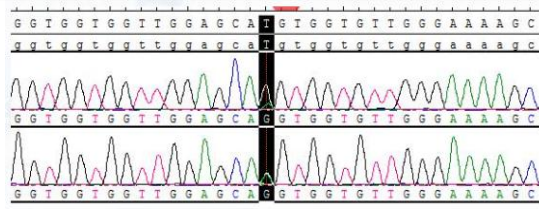


## CERTIFICATE OF ANALYSIS

### Product information

Name	NRAS p.G12C Reference Standard
Catalog No.	CBP10315
Lot No.	GBD66372231
Format	Genomic DNA
DNA Change	c.34G>T
AA Change	p.G12C
Mutation Type	Substitution - Missense
Zygosity	Heterozygous
%AF	25.00%
Transcript	ENST00000369535
Chr position(GRCh37)	chr1:115258748
Copy Number	4
Ploidy	4.08
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Nov.-16-2021
Expiry	36 months from the date of manufacture


### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*15 vials	1.00 µg/vial*15 vials	√
Concentration	40.00 ng/uL±10%	41.70 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.74 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5µl</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>4000 40</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>M</p> <p>1</p> <p>M: Marker</p> <p>1: NRAS p.G12C 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:\*\*\*\*