

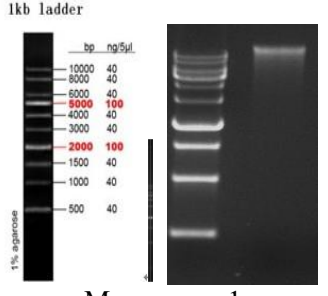
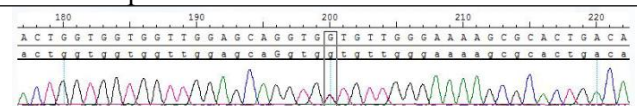
CERTIFICATE OF ANALYSIS

NRAS p.G13V Reference Standard

Product information

Name	NRAS p.G13V Reference Standard
Catalog No.	CBP10515
Lot No.	GBD41320063
Format	Genomic DNA
DNA Change	c.38G>T
AA Change	p.G13V
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
Allelic Frequency	50%
Transcript	ENST00000369535.4
Copy Number	N/A
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Jan.-18-2021
Expiry	36 months from the date of manufacture


Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.0	1.73	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5ul</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>4000 100</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>1% agarose</p> <p>M 1</p> <p>M: Marker</p> <p>1: NRAS p.G13V Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>160 190 200 210 220</p> <p>A C T G G T T G G T T G G T T G G A G C A G C T G G T G T T T G G G A A A A G C G C A C T G A C A</p> <p>A C T G G T T G G T T G G T T G G A G C A G C T G G T G T T T G G G A A A A G C G C A C T G A C A</p>	√

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****