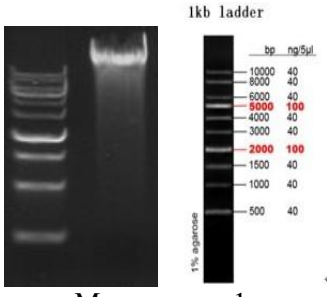
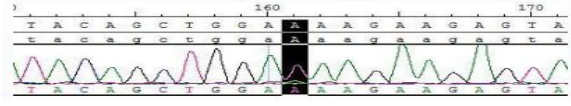


CERTIFICATE OF ANALYSIS

Product information

Name	NRAS p.Q61K Reference Standard
Catalog No.	CBP10310
Lot No.	CBFA23020308
Format	Genomic DNA
DNA Change	c.181C>A
AA Change	p.Q61K
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
%AF	85.71%
Transcript	ENST00000369535
Chr position(GRCh37)	chr1:115256530
Copy Number	7
Ploidy	3.68
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Feb.-03-2023
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%	41.90 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.84 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>5000 100</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>1% agarose</p> <p>M 1</p> <p>M: Marker</p> <p>1: NRAS p.Q61K Reference Standard</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√

%AF	85.71%	87.20% by DdPCR detection	√
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Caution:

For research use only.

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

Certified by:  Date:****

 Date:****