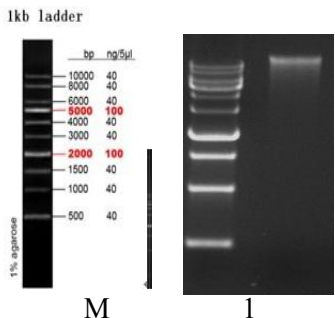
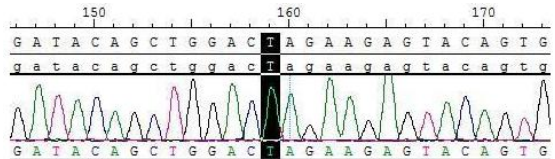


CERTIFICATE OF ANALYSIS

Product information

Name	NRAS p.Q61L Reference Standard
Catalog No.	CBP10311
Lot No.	GBD47591071
Format	Genomic DNA
DNA Change	c.182A>T
AA Change	p.Q61L
Mutation Type	Substitution - Missense
Zygosity	Homozygous
%AF	100.00%
Transcript	ENST00000369535
Chr position(GRCh37)	chr1:115256529
Copy Number	N/A
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Jun.-09-2022
Expiry	36 months from the date of manufacture

Quality Control


Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*3 vials	1.00 µg/vial*3 vials	√
Concentration	30.00 ng/uL±10%	32.00 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.82 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker I: NRAS p.Q61L Reference Standard</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√

%AF	100.00%	99.77% 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:12/16/2022

 Date:12/16/2022