

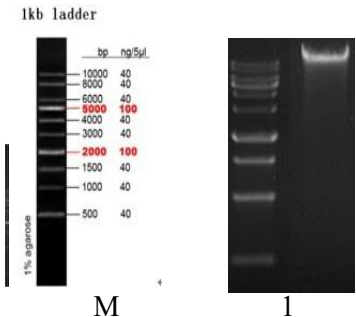
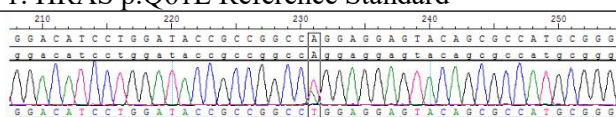
# CERTIFICATE OF ANALYSIS

## HRAS p.Q61L Reference Standard

### Product information

Name	HRAS p.Q61L Reference Standard
Catalog No.	CBP10286
Lot No.	CGD03287738
Format	Genomic DNA
DNA Change	c.182A>T
AA Change	p.Q61L
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
Allelic Frequency	67.86%
Transcript	ENST00000397596
Copy Number	N/A
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Oct.-16-2020
Expiry	36 months from the date of manufacture


### Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*2vials	1ug/vial*2vials	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.73	√
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>1% agarose</p> <p>M</p> <p>1</p> <p>M: Marker</p> <p>1: HRAS p.Q61L Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>220 230 240 250</p> <p>GGACATCCTGGATACCGCCGCCCAGGAGGAGTACAGCGCCATGCGGG</p> <p>ggacatcctggataccgcccggccaggaggaggtacagcgccatgcggg</p> <p>GGACATCCTGGATACCGCCGCCCAGGAGGAGTACAGCGCCATGCGGG</p>	√

### Caution:

For research use only.

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

Certified by:  Date: 07/01/2021

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