

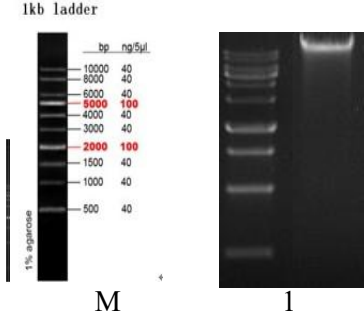
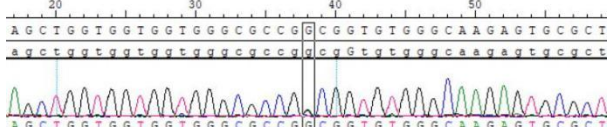
CERTIFICATE OF ANALYSIS

HRAS p.G12D Reference Standard

Product information

Name	HRAS p.G12D Reference Standard
Catalog No.	CBP10288
Lot No.	CGD50352981
Format	Genomic DNA
DNA Change	c.35G>A
AA Change	p.G12D
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
Allelic Frequency	50%
Transcript	ENST00000397596
Copy Number	2
Ploidy	2.6
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Mar.-30-2021
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 ₂₆₀ /OD ₂₈₀	1.7~2.0	1.78	√
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 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: HRAS p.G12D Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>20 30 40 50</p> <p>AGCTGGTGGTGGTGGGCGCCG CGGTGTGGGCAAGAGTGCCT</p> <p>agctgggtgggtgggtgggccccg cgggtgtgggcaagagtgccct</p> <p>AGCTGGTGGTGGTGGGCGCCG CGGTGTGGGCAAGAGTGCCT</p>	√

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****