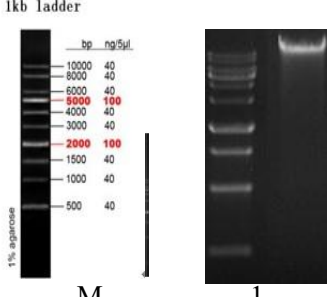
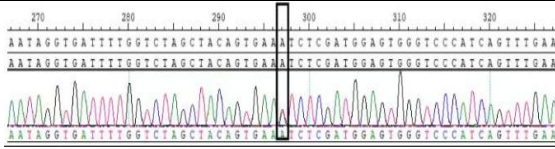


CERTIFICATE OF ANALYSIS

Product information

Name	BRAF p.K601N Reference Standard
Catalog No.	CBP10237
Lot No.	CBFA23062104
Format	Genomic DNA
DNA Change	c.1803A>T
AA Change	p.K601N
Mutation Type	Substitution - Missense
Zygosity	Heterozygous
%AF	50.00%
Transcript	ENST00000288602
Chr position(GRCh37)	chr7:140453132
Copy Number	4
Ploidy	3.99
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	2023/06/21
Expiry	36 months from the date of manufacture


Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*2 vials	1.00 µg/vial*2 vials	√
Concentration	40.00 ng/uL±10%	40.00 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.90 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>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>I</p> <p>M: Marker</p> <p>I: BRAF p.K601N Reference Standard</p>	√
Genotype	Positive	 <p>270 280 290 300 310 320</p> <p>AATAGGTGATTTTGGTCTAGCTACAGTGAATCTCGATGGAGTGGGTCCCATCAGTTTGA</p> <p>AATAGGTGATTTTGGTCTAGCTACAGTGAATCTCGATGGAGTGGGTCCCATCAGTTTGA</p> <p>AATAGGTGATTTTGGTCTAGCTACAGTGAATCTCGATGGAGTGGGTCCCATCAGTTTGA</p> <p>By sanger sequencing</p>	√

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****