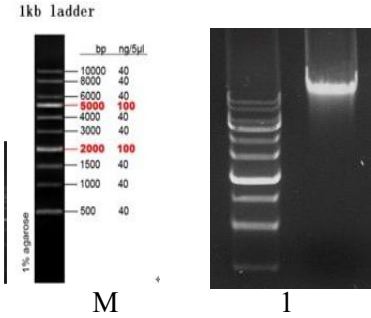
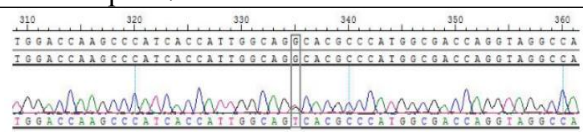


CERTIFICATE OF ANALYSIS

Product information

Name	IDH2 p.R172S Reference Standard
Catalog No.	CBP10291
Lot No.	CBFA22111007
Format	Genomic DNA
DNA Change	c.516G>T
AA Change	p.R172S
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
%AF	50.00%
Transcript	ENST00000330062
Chr position(GRCh37)	chr15:90631837
Copy Number	N/A
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Nov.-10-2022
Expiry	36 months from the date of manufacture


Quality Control

Test Items	Standard	Results	Passed
Quantity	0.50 µg/vial*1 vial	0.50 µg/vial*1 vial	√
Concentration	40.00 ng/uL±10%	40.00 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.75 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</p> <p>I</p> <p>M: Marker</p> <p>I: IDH2 p.R172S Reference Standard</p>	√
Genotype	Positive	 <p>310 320 330 340 350 360</p> <p>TGGACCAAGCCCATCACCATTGGCAGCAGCCCATGGCGACCCAGGTAGGCCA</p> <p>TGGACCAAGCCCATCACCATTGGCAGCAGCCCATGGCGACCCAGGTAGGCCA</p> <p>TGGACCAAGCCCATCACCATTGGCAGCAGCCCATGGCGACCCAGGTAGGCCA</p> <p>By sanger sequencing</p>	√
%AF	50.00%	51.30% by DdPCR detection	√

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****