

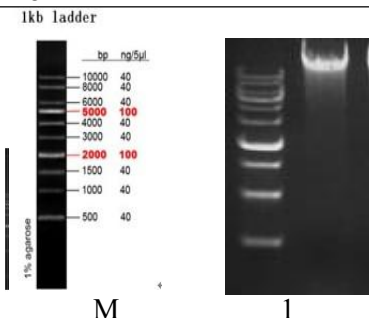
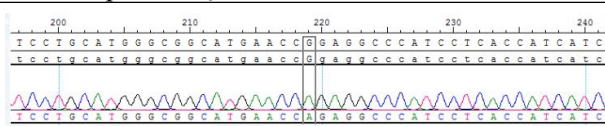
# CERTIFICATE OF ANALYSIS

## TP53 p.R248Q Reference Standard

### Product information

Name	TP53 p.R248Q Reference Standard
Catalog No.	CBP10140
Lot No.	GBD46851317
Format	Genomic DNA
DNA Change	c.743G>A
AA Change	p.R248Q
Mutation Type	Substitution - Missense
Zygoty	Homozygous
Allelic Frequency	100.00%
Transcript	ENST00000269305
Copy Number	2
Ploidy	3.1
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Sep.-18-2020
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	1.84	√
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 100</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>M 1</p> <p>M: Marker</p> <p>1: TP53 p.R248Q Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>200 210 220 230 240</p> <p>T C C T G C A T G G C G G G C A T G A A C C A G G A G G C C C A T C C T C A C C A T A T C</p> <p>T C C T G C A T G G C G G G C A T G A A C C A G G A G G C C C A T C C T C A C C A T A T C</p>	√
%AF	100%	99.79% 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:\*\*\*\*