

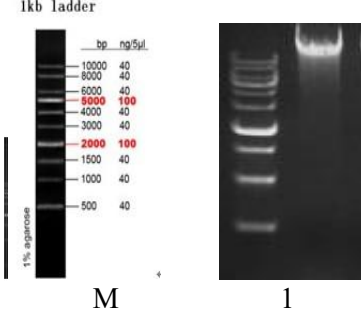
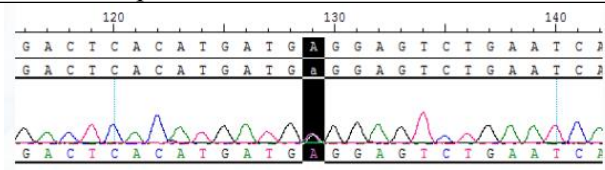
# CERTIFICATE OF ANALYSIS

## BRCA1 p.G401E Reference Standard

### Product information

Name	BRCA1 p.G401E Reference Standard
Catalog No.	CBP10350
Lot No.	CGD90172407
Format	Genomic DNA
DNA Change	c.1202G>A
AA Change	p.G401E
Mutation Type	Missense_Mutation
Zygoty	Heterozygous
Allelic Frequency	50%
Transcript	ENST00000357654
Copy Number	4
Ploidy	3.73
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Aug.-28-2019
Expiry	36 months from the date of manufacture

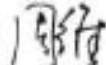
### Quality Control

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	1.82	√
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: BRCA1 p.G401E Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>120 130 140</p> <p>G A C T C A C A T G A T G A G G A G T C T G A A T C P</p> <p>G A C T C A C A T G A T G A G G A G T C T G A A T C P</p>	√
%AF	50%	49.88% 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:\*\*\*\*