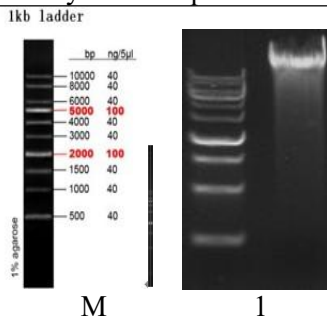
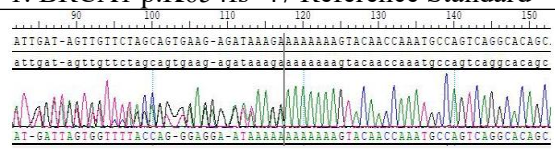


## CERTIFICATE OF ANALYSIS

### Product information

Name	BRCA1 p.K654fs*47 Reference Standard
Catalog No.	CBP10362
Lot No.	GBD56969137
Format	Genomic DNA
DNA Change	c.1961delA
AA Change	p.K654fs*47
Mutation Type	Deletion - Frameshift
Zygosity	Heterozygous
%AF	50%
Transcript	ENST00000357654
Chr position(GRCh37)	chr17:41245587chr17:41245594
Copy Number	4
Ploidy	3.99
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Oct.-08-2021
Expiry	36 months from the date of manufacture

### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*1 vial	1.00 µg/vial*1 vial	√
Concentration	40.00 ng/uL±10%	43.00 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.77 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: BRCA1 p.K654fs*47 Reference Standard</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√
%AF	50%±10%	49.73% detected by DdPCR	√

**Caution:**

For research use only.

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

Certified by:  Date:\*\*\*\*

 Date:\*\*\*\*