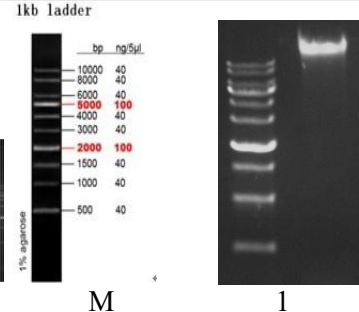
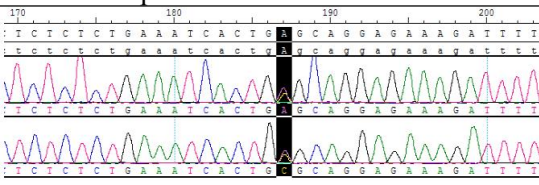


## CERTIFICATE OF ANALYSIS

### Product information

Name	PIK3CA p.E545A Reference Standard
Catalog No.	CBP10323
Lot No.	GBD13251581
Format	Genomic DNA
DNA Change	c.1634A>C
AA Change	p.E545A
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
%AF	50.00%
Transcript	NM_006218.1
Chr position(GRCh37)	chr3:178936092
Copy Number	2
Ploidy	2.09
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	May-11-2021
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%	40.00 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 I: PIK3CA p.E545A Reference Standard</p>	√
Genotype	Positive	 <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:\*\*\*\*