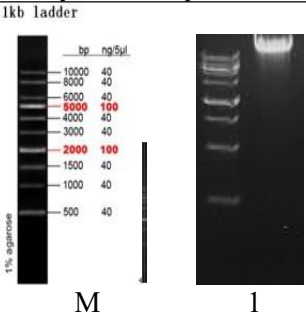


## CERTIFICATE OF ANALYSIS

### Product information

Name	PIK3CA p.E545G Reference Standard
Catalog No.	CBP10543
Lot No.	GBD49963164
Format	Genomic DNA
DNA Change	c.1634A>G
AA Change	p.E545G
Mutation Type	Substitution - Missense
Zygotity	Heterozygous
%AF	50.00%
Transcript	NM_006218
Chr position(GRCh37)	chr3:178936092
Copy Number	2
Ploidy	2.17
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Sep.-05-2022
Expiry	36 months from the date of manufacture

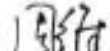
### Quality Control

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	1.74 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: PIK3CA p.E545G Reference Standard</p>	√
%AF	50.00%	48.70% 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:\*\*\*\*