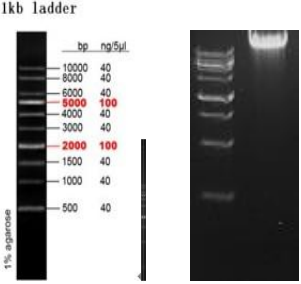


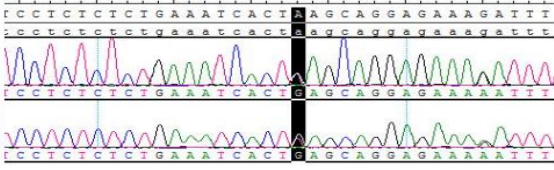
CERTIFICATE OF ANALYSIS

Product information

Name	PIK3CA p.E545K Reference Standard
Catalog No.	CBP10322
Lot No.	CBFA23020625
Format	Genomic DNA
DNA Change	c.1633G>A
AA Change	p.E545K
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
%AF	50.00%
Transcript	NM_006218.1
Chr position(GRCh37)	chr3:178936091
Copy Number	2
Ploidy	1.96
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Feb.-06-2023
Expiry	36 months from the date of manufacture

Quality Control

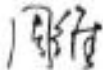
Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*1 vial	1.00 µg/vial*1 vial	√
Concentration	40.00 ng/uL±10%	38.20 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.90 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: PIK3CA p.E545K Reference Standard</p>	√

Genotype	Positive	 <p>By sanger sequencing</p>	√
%AF	50.00%	49.93% 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:****