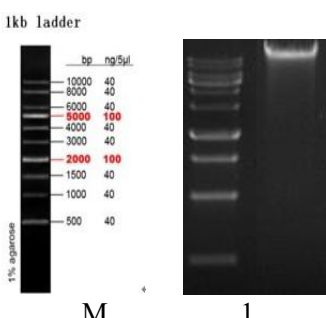
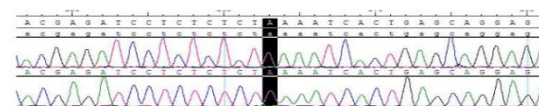


## CERTIFICATE OF ANALYSIS

### Product information

Name	PIK3CA p.E542K Reference Standard
Catalog No.	CBP10324
Lot No.	CGFA23032101
Format	Genomic DNA
DNA Change	c.1624G>A
AA Change	p.E542K
Mutation Type	Substitution - Missense
Zygoty	Homozygous
%AF	100.00%
Transcript	NM_006218.1
Chr position(GRCh37)	chr3:178936082
Copy Number	3
Ploidy	2.93
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/03/21
Expiry	36 months from the date of manufacture

### Quality Control


Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*2 vials	1.00 µg/vial*2 vials	√
Concentration	40.00 ng/uL±10%	42.70 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.75 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>           1kb ladder            bp ng/5µl            10000 40            8000 40            6000 40            5000 100            4000 40            3000 40            2000 100            1500 40            1000 40            500 40            1% agarose            M 1            M: Marker            1: PIK3CA p.E542K Reference Standard         </p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√

%AF	100.00%	99.97% by DdPCR detection	√
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**Caution:**

For research use only.

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

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

 Date:\*\*\*\*