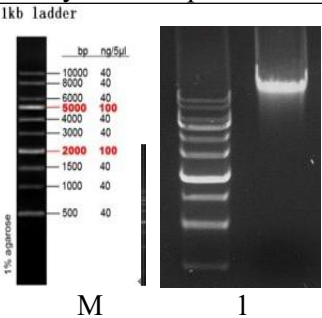
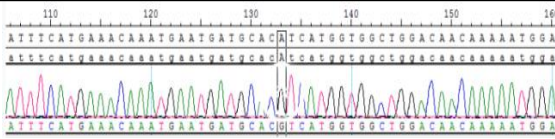


## CERTIFICATE OF ANALYSIS

### Product information

Name	AI-Edigene® PIK3CA p.H1047R Reference Standard Plus
Catalog No.	CBP10518
Lot No.	CBFA22110702
Format	Genomic DNA
DNA Change	c.3140A>G
AA Change	p.H1047R
Mutation Type	Substitution - Missense
Zygotity	Homozygous
%AF	100.00%
Transcript	NM_006218.4
Chr position(GRCh37)	chr3:178952085
Copy Number	1
Ploidy	1
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Nov.-07-2022
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	1.94 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: AI-Edigene® PIK3CA p.H1047R Reference Standard Plus         </p>	√
Genotype	Positive	 <p>           By sanger sequencing         </p>	√
%AF	100.00%	100.00% 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:\*\*\*\*