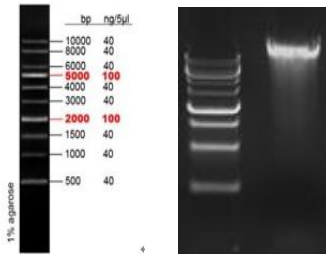
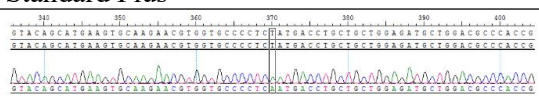


## CERTIFICATE OF ANALYSIS

### Product information

Name	AI-Edigene® ESR1 p.Y537N Reference Standard Plus
Catalog No.	CBP10600
Lot No.	CBFA23053101
Format	Genomic DNA
DNA Change	c.1609T>A
AA Change	p.Y537N
Mutation Type	Substitution - Missense
Zygosity	Homozygous
%AF	100.00%
Transcript	NM_000125.4
Copy Number	2
Ploidy	1.99
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/05/31
Expiry	36 months from the date of manufacture

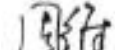
### Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*1 vial	1.00 µg/vial*1 vial	√
Concentration	40.00 ng/uL±10%	42.00 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.89 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5µl</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>5000 40</p> <p>4000 40</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>1% agarose</p> <p>M</p> <p>1</p> <p>M: Marker</p> <p>1: AI-Edigene® ESR1 p.Y537N Reference Standard Plus</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√
%AF	100%	100% 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:\*\*\*\*