

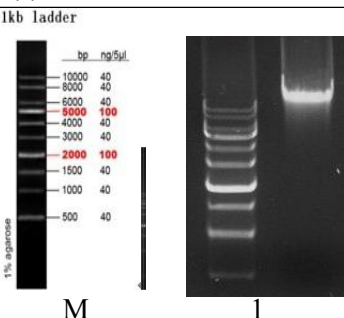
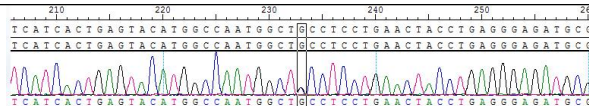
CERTIFICATE OF ANALYSIS

AI-Edigene® BTK p.C481S Reference Standard Plus

Product information

Name	AI-Edigene® BTK p.C481S Reference Standard Plus
Catalog No.	CBP10549
Lot No.	GBD55864048
Format	Genomic DNA
DNA Change	c.1442G>C
AA Change	p.C481S
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
Allelic Frequency	50%
Transcript	NM_000061.3
Copy Number	2
Ploidy	2.13
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Aug.-31-2021
Expiry	36 months from the date of manufacture


Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.0	1.77	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5ul</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>4000 100</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® BTK p.C481S Reference Standard Plus</p>	√
Genotype	Sanger Sequencing	 <p>210 220 230 240 250 260</p> <p>T C A T C A C T G A G T A C A T G G C C A A T G G C T G C C T C C T G A A C T A C C T G A G G S A G A T G C C</p> <p>T C A T C A C T G A G T A C A T G G C C A A T G G C T G C C T C C T G A A C T A C C T G A G G S A G A T G C C</p> <p>T C A T C A C T G A G T A C A T G G C C A A T G G C T G C C T C C T G A A C T A C C T G A G G S A G A T G C C</p>	√
%AF	50%	50.31% 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:****