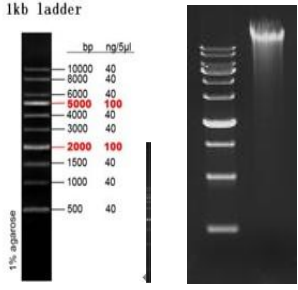
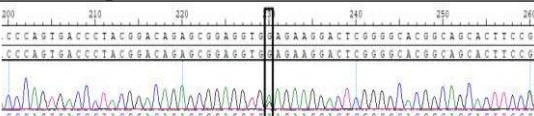


CERTIFICATE OF ANALYSIS

Product information

Name	PMS2 p.E491K Reference Standard
Catalog No.	CBP10574
Lot No.	CBFA22120302
Format	Genomic DNA
DNA Change	c.1471G>A
AA Change	p.E491K
Mutation Type	Missense Mutation
Zygoty	Heterozygous
%AF	75% (NGS)
Transcript	NM_000535.7
Chr position(GRCh37)	chr7:6026925
Copy Number	4
Ploidy	2.9
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	Dec.-03-2022
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%	41.90 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.99 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>4000 100</p> <p>4000 40</p> <p>3000 40</p> <p>2000 100</p> <p>2000 40</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>1% agarose</p> <p>M 1</p> <p>M: Marker</p> <p>1: PMS2 p.E491K Reference Standard</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****