

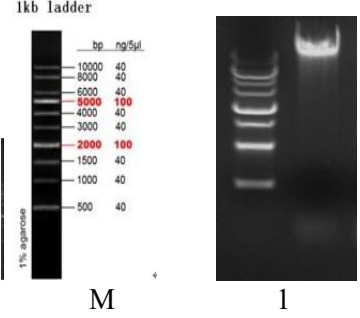
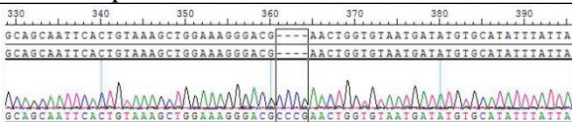
# CERTIFICATE OF ANALYSIS

## PTEN p.R130Afs\*51 Reference Standard

### Product information

Name	PTEN p.R130Afs*51 Reference Standard
Catalog No.	CBP10464
Lot No.	CGD20887314
Format	Genomic DNA
DNA Change	c.386_387insCGCC
AA Change	p.R130Afs*51
Mutation Type	Frame_Shift_Ins
Zygosity	Homozygous
Allelic Frequency	100%
Transcript	ENST00000371953.3
Copy Number	N/A
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Jul.-13-2021
Expiry	36 months from the date of manufacture

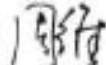
### Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*2vials	1ug/vial*2vials	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.85	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5ul</p> <p>10000 40</p> <p>8000 40</p> <p>6000 100</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 1</p> <p>M: Marker</p> <p>1: PTEN p.R130Afs*51 Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>330 340 350 360 370 380 390</p> <p>GCAGCAATTCACGTAAAGCTGAAAGGGACG---AACTGGTGAATGATATGTCATATTTATTA</p> <p>GCAGCAATTCACGTAAAGCTGAAAGGGACG---AACTGGTGAATGATATGTCATATTTATTA</p> <p>GCAGCAATTCACGTAAAGCTGAAAGGGACGCCCGAACTGGTGAATGATATGTCATATTTATTA</p>	√

**Caution:**

For research use only.

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

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

 Date:\*\*\*\*