

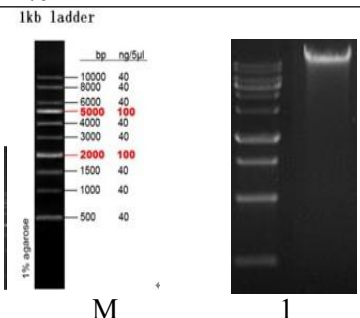
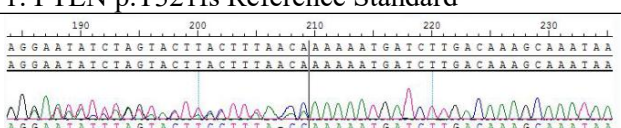
# CERTIFICATE OF ANALYSIS

## PTEN p.T321fs Reference Standard

### Product information

Name	PTEN p.T321fs Reference Standard
Catalog No.	CBP10448
Lot No.	CGD85989031
Format	Genomic DNA
DNA Change	c.968delA
AA Change	p.R234fs
Mutation Type	Frame_Shift_Ins
Zygosity	Heterozygous
Allelic Frequency	50%
Transcript	ENST00000371953.3
Copy Number	2
Ploidy	1.97
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Mar.-20-2019
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	1.79	√
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 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: PTEN p.T321fs Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>190 200 210 220 230</p> <p>AGGAAATATCTAGTACTTACTTTAACA AAAAATGATCTTGACAAAGCAAATAA</p> <p>AGGAAATATCTAGTACTTACTTTAACA AAAAATGATCTTGACAAAGCAAATAA</p> <p>AGGAAATATCTAGTACTTACTTTAACA AAAAATGATCTTGACAAAGCAAATAA</p>	√


### Caution:

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For research use only.

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

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

 Date:\*\*\*\*