

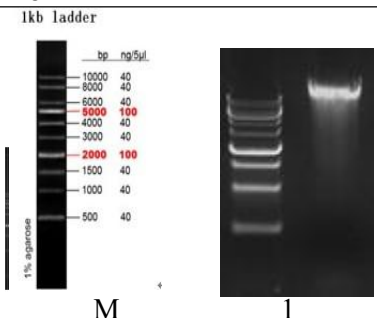
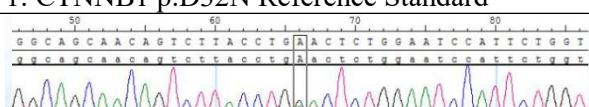
## CERTIFICATE OF ANALYSIS

### CTNNB1 p.D32N Reference Standard

#### Product information

Name	CTNNB1 p.D32N Reference Standard
Catalog No.	CBP10249
Lot No.	CGD80421057
Format	Genomic DNA
DNA Change	c.94G>A
AA Change	p.D32N
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
Allelic Frequency	32.09%
Transcript	ENST00000349496
Copy Number	3
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Mar.-05-2021
Expiry	36 months from the date of manufacture


#### Quality Control

Test Items	Standard	Results	Passed
Quantity	5ug/vial*1vial	5ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.81	√
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: CTNNB1 p.D32N Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>50 60 70 80</p> <p>GGCAGCAACAGTCTTACCTGAACTCTGGAAATCCATTCTGGT</p> <p>ggcagcaaacaggtcttacctgaaactctggaaatccattctgggt</p>	√

#### Caution:

For research use only.

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

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

 Date:\*\*\*\*