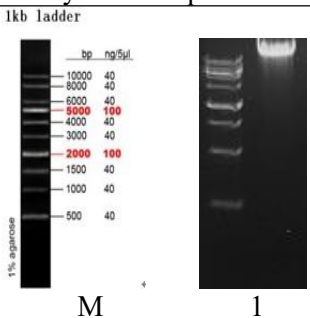
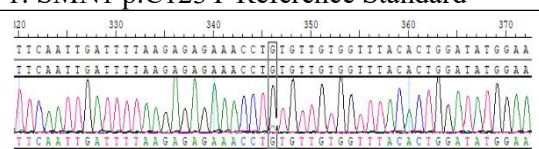


## CERTIFICATE OF ANALYSIS

### Product information

Name	SMN1 p.C123Y Reference Standard
Catalog No.	CBP10562
Lot No.	CBFA23022341X
Format	Genomic DNA
DNA Change	c.368G>A
AA Change	p.C123Y
Mutation Type	Substitution - Missense
Zygosity	Heterozygous
%AF	N/A
Transcript	ENST00000380707.4
Chr position (GRCh37)	chr5:70238279-g-A
Copy Number	N/A
Ploidy	N/A
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/02/23
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%	42.00 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.74 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>5000 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: SMN1 p.C123Y 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:\*\*\*\*