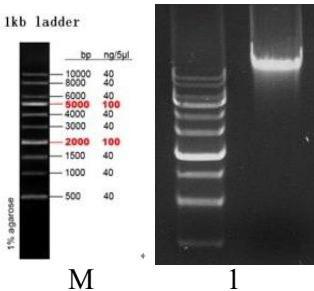


CERTIFICATE OF ANALYSIS

General information

Name	tTMB-P3(12.41) Reference Standard_Tumor
Catalog No.	CBP80001-3
Lot No.	GBD81248027
Format	Genomic DNA
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Dec.-17-2020
Expiry	36 months from the date of manufacture

Quality Control

Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD260/OD280	1.75~1.9	1.88	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5ul</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>5000 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</p> <p>1</p> <p>M: Marker</p> <p>1: tTMB-P3(12.41) Reference Standard_Tumor</p>	√
TMB Value	500x WES	12.41(Pair)-cut off 2% 11.87(Pair)-cut off 3% 11.52(Pair)-cut off 4% 11.43(Pair)-cut off 5%	√


For detail data of WES, please contact us.

Caution:

For research use only.

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

Certified by:  Date: ****

 Date: ****