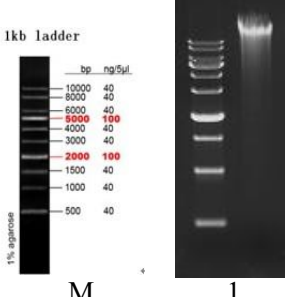


CERTIFICATE OF ANALYSIS

General information

Name	MSI-H-U1(100%) Reference Standard (M19-11062 Tumor)
Catalog No.	CBP80002-5
Lot No.	CGD36944627
Format	Genomic DNA
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Dec.-02-2019
Expiry	36 months from the date of manufacture

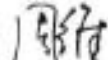
Quality Control


Test Items	Standard	Results	Passed																								
Quantity	1ug/vial*1 vial	1ug/vial*1 vial	√																								
Concentration	Qubit 3.0	40 ng/uL±10%	√																								
OD260/OD280	1.75~1.9	1.86	√																								
DNA electrophoresis	No Degradation	 <p> 1kb ladder bp ng/5ul 10000 40 8000 40 6000 40 4000 40 3000 40 2000 40 1500 40 1000 40 500 40 1% agarose M 1 M: Marker 1: MSI-H-U1(100%) Reference Standard (M19-11062 Tumor) </p>	√																								
MSI/MSS	PCR	MSI-H <table border="1"> <thead> <tr> <th colspan="3">M19-11062</th> </tr> <tr> <th>Marker</th> <th>Size 1</th> <th>Size 2</th> </tr> </thead> <tbody> <tr> <td>NR21</td> <td>120.92</td> <td></td> </tr> <tr> <td>Bat26</td> <td>166.04</td> <td></td> </tr> <tr> <td>Bat25</td> <td>109.62</td> <td></td> </tr> <tr> <td>NR27</td> <td>143.22</td> <td></td> </tr> <tr> <td>NR24</td> <td>125.79</td> <td></td> </tr> <tr> <td>Mono27</td> <td>161.65</td> <td></td> </tr> </tbody> </table>	M19-11062			Marker	Size 1	Size 2	NR21	120.92		Bat26	166.04		Bat25	109.62		NR27	143.22		NR24	125.79		Mono27	161.65		√
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Caution:

For research use only.

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

Certified by:  Date: ****

 Date: ****