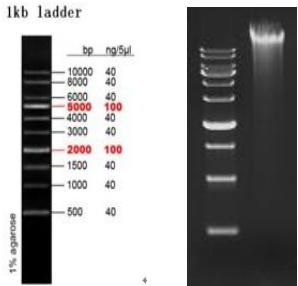
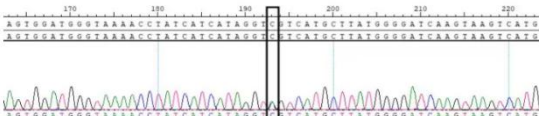


CERTIFICATE OF ANALYSIS

Product information

| | |
|----------------------|--|
| Name | IDH1 p.R132S Reference Standard |
| Catalog No. | CBP10587 |
| Lot No. | CGFA23050605 |
| Format | Genomic DNA |
| DNA Change | c.394C>A |
| AA Change | p.R132S |
| Mutation Type | Substitution - Missense |
| Zygoty | Heterozygous |
| %AF | 33.33% (NGS) |
| Transcript | NM_005896.4 |
| Chr position(GRCh37) | chr2-209113113-G-T |
| Copy Number | N/A |
| Ploidy | N/A |
| Buffer | Tris-EDTA |
| Storage Conditions | -20°C |
| Date of Manufacture | 2023/05/06 |
| 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% | 43.80 ng/uL by Qubit 3.0 detection | √ |
| OD ₂₆₀ /OD ₂₈₀ | 1.7~2.1 | 2.05 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>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 1</p> <p>M: Marker</p> <p>1: IDH1 p.R132S 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:****