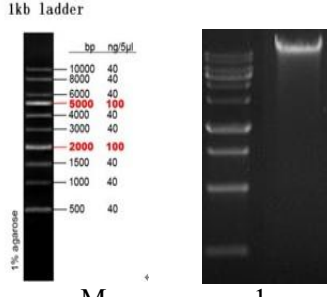
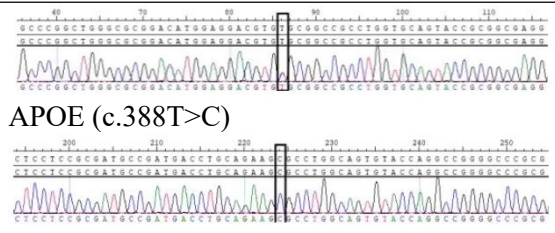


CERTIFICATE OF ANALYSIS

Product information

| | | |
|----------------------|--|--------------------------|
| Name | APOE E4 Reference Standard | |
| Catalog No. | CBPA0080 | |
| Lot No. | CBFA23121504 | |
| Format | Genomic DNA | |
| DNA Change | NM 000041.4:c.388T>C | NM 000041.2:c.526C-T |
| AA Change | p.Cys130Arg | p.Arg176Cys |
| Zygoty | Heterozygous | Wild Type |
| %AF | 50.00% | 0.00% |
| Chr position(GRCh37) | NC 000019.9:g.45411941T>C | NC000019.9:g.45412079C-T |
| Copy Number | 2 | |
| Ploidy | 2 | |
| Buffer | Tris-EDTA | |
| Storage Conditions | 4°C | |
| Date of Manufacture | 2023/12/15 | |
| Expiry | 36 months from the date of manufacture | |

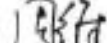
Quality Control

| Test Items | Standard | Results | Passed |
|--------------------------------------|---------------------|--|--------|
| Quantity | 1.00 µg/vial*1 vial | 1.00 µg/vial*1 vial | √ |
| Concentration | 40.00 ng/uL±10% | 42.80 ng/uL by Qubit 3.0 detection | √ |
| OD ₂₆₀ /OD ₂₈₀ | 1.7~2.1 | 1.74 by Nanodrop detection | √ |
| DNA electrophoresis | No Degradation |  <p>1kb ladder</p> <p>M: Marker 1: APOE E4 Reference Standard</p> | √ |
| Genotype | Positive |  <p>APOE (c.388T>C)</p> <p>APOE (c.526C>T)</p> <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:****