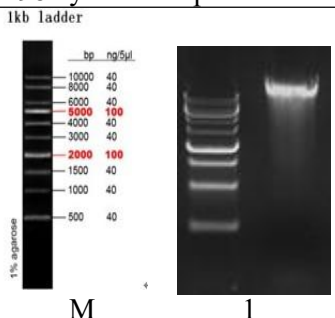
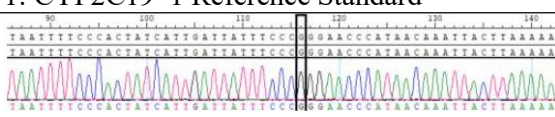


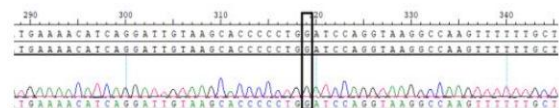
CERTIFICATE OF ANALYSIS

Product information

| | | | |
|-----------------------|--|--------------------------------|--------------------------------|
| Name | CYP2C19*1 Reference Standard | | |
| Catalog No. | CBPA0074 | | |
| Lot No. | CBFA22120709 | | |
| Format | Genomic DNA | | |
| Genotype | CYP2C19*2 | CYP2C19*3 | CYP2C19*17 |
| DNA Change | NM_000769.1_c. 681G>A | NM_000769.1_c. 636G>A | NM_000769.1_c.-8 06C>T |
| AA Change | p.P227= | p.W212* | N/A |
| Chr position (GRCh38) | NC_000010.11_g. 94781859G>A | NC_000010.11_g .94780653G>A | NC_000010.11_g.9 4761900C>T |
| Zygoty | Wild Type | Wild Type | Wild Type |
| %AF | 0% | 0% | 0% |
| Copy Number | 2 | | |
| Ploidy | 2 | | |
| Buffer | Tris-EDTA | | |
| Storage Conditions | 4°C | | |
| Date of Manufacture | 2022/12/07 | | |
| Expiry | 36 months from the date of manufacture | | |

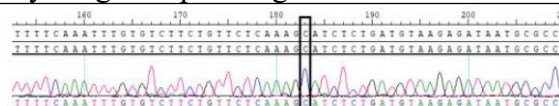
Quality Control

| Test Items | Standard | Results | Passed |
|--------------------------------------|---------------------|---|--------|
| Quantity | 1.00 µg/vial*1 vial | 1.00 µg/vial*1 vial | √ |
| Concentration | 40.00 ng/uL±10% | 42.20 ng/uL by Qubit 3.0 detection | √ |
| OD ₂₆₀ /OD ₂₈₀ | 1.7~2.1 | 1.98 by Nanodrop detection | √ |
| DNA electrophoresis | No Degradation |  <p>1kb ladder</p> <p>bp ng/5µl</p> <p>10000 40 8000 40 6000 40 4000 40 3000 40 2000 100 1500 40 1000 40 500 40</p> <p>M 1</p> <p>M: Marker 1: CYP2C19*1 Reference Standard</p> | √ |
| Genotype | Wild Type |  <p>CYP2C19*2 (c.681G>A) By sanger sequencing</p> | √ |



CYP2C19*3 (c.636G>A)

By sanger sequencing




CYP2C19*17 (c.-806C>T)

By sanger sequencing

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****