

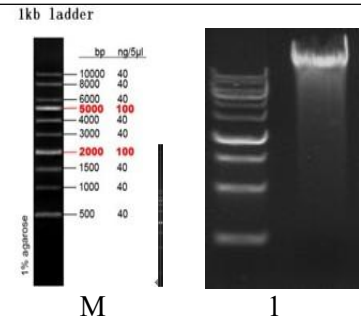
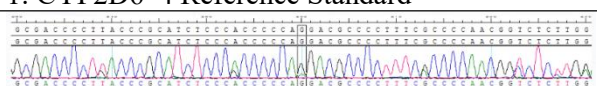
## CERTIFICATE OF ANALYSIS

### CYP2D6\*4 Reference Standard

#### Product information

|                       |  |
|-----------------------|--|
| Name                  | CYP2D6*4 Reference Standard            |
| Catalog No.           | CBPA0004                               |
| Lot No.               | GBD83081532                            |
| Format                | Genomic DNA                            |
| DNA Change            | NM_000106.5_c.506-1G>A                 |
| AA Change             | N/A                                    |
| Chr position (GRCh38) | NC_000022.11_g.42128945C>T             |
| Zygoty                | Heterozygous                           |
| Allelic Frequency     | 50%                                    |
| Copy Number           | 2                                      |
| Ploidy                | 2                                      |
| Buffer                | Tris-EDTA                              |
| Storage Conditions    | -20°C                                  |
| Date of Manufacture   | Jul.-15-2020                           |
| 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%   | √      |
| OD <sub>260</sub> /OD <sub>280</sub> | 1.7~2.0           | 1.90   | √      |
| 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>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: CYP2D6*4 Reference Standard</p> | √      |
| Genotype                             | Sanger Sequencing |    | √      |

#### Caution:

For research use only.

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

Certified by:  Date:\*\*\*\*

 Date:\*\*\*\*