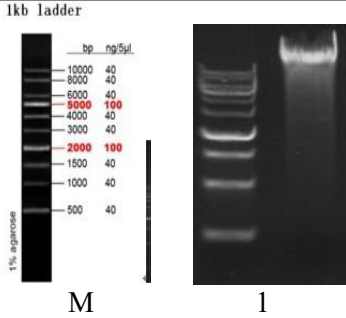
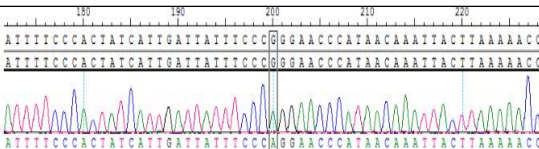


CERTIFICATE OF ANALYSIS

Product information

Name	CYP2C19*2 Reference Standard
Catalog No.	CBPA0007
Lot No.	CBFA23070402
Format	Genomic DNA
DNA Change	NM_000769.1 c.681G>A
AA Change	p.P227=
Chr position (GRCh38)	NC_000010.11 g.94781859G>A
Zygosity	Homozygous
%AF	100.00%
Copy Number	2
Ploidy	2
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/07/04
Expiry	36 months from the date of manufacture

Quality Control

Test Items	Standard	Results	Passed
Quantity	50.00 µg/vial*1 vial	50.00 µg/vial*1 vial	√
Concentration	110.00 ng/uL±10%	110.00 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.95 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>M: Marker 1: CYP2C19*2 Reference Standard</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√


Other mutations please see below.

Name	Gene	AA Change	DNA Change	Chr position (GRCh38)	%AF
CYP2D6*2_p.S486T	CYP2D6	p.S486T	NM_000106.6_c.1457G>C	NC_000022.11_g.42126611C>G	100%
CYP2D6*2_p.R296C	CYP2D6	p.R296C	NM_000106.6_c.886C>T	NC_000022.11_g.42127941G>A	50%
CYP2D6*10	CYP2D6	p.P34S	NM_000106.6_c.100C>T	NC_000022.11_g.42130692G>A	100%
VKORC1 -1639G>A	VKORC1	N/A	NM_024006.4_-1639G>A	NC_000016.10_g.31096368C>T	100%

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****