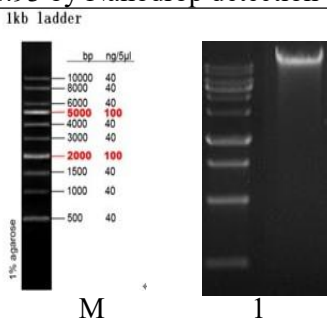
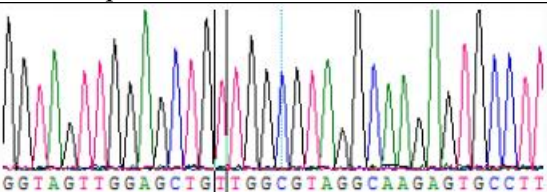


## CERTIFICATE OF ANALYSIS

### Product information

Name	KRAS p.G12V Reference Standard
Catalog No.	CBP10293
Lot No.	CBFA23053106
Format	Genomic DNA
DNA Change	c.35G>T
AA Change	p.G12V
Mutation Type	Substitution - Missense
Zygosity	Homozygous
%AF	100.00%
Transcript	ENST00000311936
Chr position(GRCh37)	chr12:25398284
Copy Number	5
Ploidy	2.18
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/05/31
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%	41.40 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.93 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker 1: KRAS p.G12V Reference Standard</p>	√
Genotype	Positive	 <p>By sanger sequencing</p>	√
%AF	100.00%	100.00% by DdPCR detection	√

**Caution:**

For research use only.

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

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

 Date:\*\*\*\*