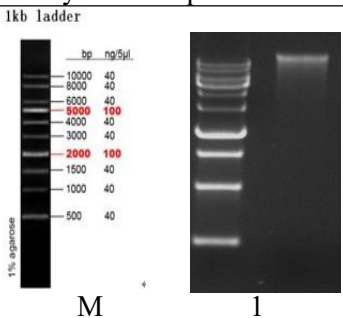
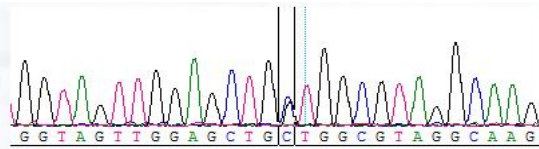


CERTIFICATE OF ANALYSIS

Product information

Name	KRAS p.G12A Reference Standard
Catalog No.	CBP10296
Lot No.	CGFA23050506
Format	Genomic DNA
DNA Change	c.35G>C
AA Change	p.G12A
Mutation Type	Substitution - Missense
Zygosity	Heterozygous
%AF	50% (NGS)
Transcript	ENST00000311936
Chr position(GRCh37)	chr12:25398284
Copy Number	3
Ploidy	2.91
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/05/05
Expiry	36 months from the date of manufacture

Quality Control

Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*4 vials	1.00 µg/vial*4 vials	√
Concentration	40.00 ng/uL±10%	40.00 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.86 by Nanodrop detection	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>M: Marker I: KRAS p.G12A Reference Standard</p>	√
Genotype	Positive	 <p>GGTAGTTGGAGCTG CTGGCGTAGGCAAG</p> <p>By sanger sequencing</p>	√
%AF	50%	53.27% 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:****