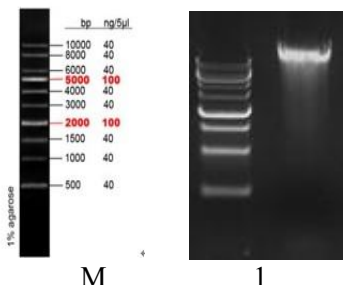
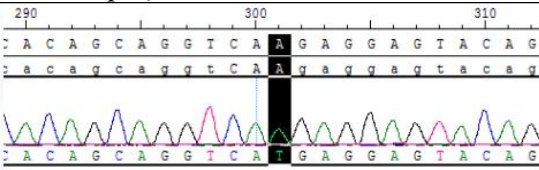


## CERTIFICATE OF ANALYSIS

### Product information

Name	KRAS p.Q61H Reference Standard
Catalog No.	CBP10301
Lot No.	CGFA23050511
Format	Genomic DNA
DNA Change	c.183A>T
AA Change	p.Q61H
Mutation Type	Substitution - Missense
Zygoty	Homozygous
%AF	100.00%
Transcript	ENST00000311936
Chr position(GRCh37)	chr12:25380275
Copy Number	2
Ploidy	2.54
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/05/05
Expiry	36 months from the date of manufacture

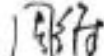
### Quality Control


Test Items	Standard	Results	Passed
Quantity	1.00 µg/vial*2 vials	1.00 µg/vial*2 vials	√
Concentration	40.00 ng/uL±10%	40.80 ng/uL by Qubit 3.0 detection	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.1	1.86 by Nanodrop detection	√
DNA electrophoresis	No Degradation	1kb ladder  M: Marker 1: KRAS p.Q61H Reference Standard	√
Genotype	Positive	 By sanger sequencing	√
%AF	100.00%	99.37% 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: \*\*\*\*