

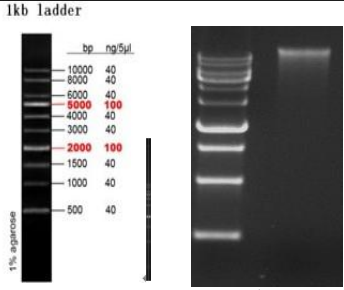
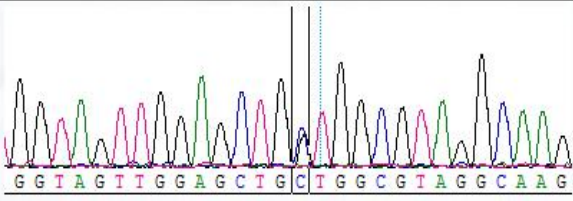
CERTIFICATE OF ANALYSIS

KRAS p.G12A Reference Standard

Product information

Name	KRAS p.G12A Reference Standard
Catalog No.	CBP10296
Lot No.	CGD51454752
Format	Genomic DNA
DNA Change	c.35G>C
AA Change	p.G12A
Mutation Type	Substitution - Missense
Zygoty	Heterozygous
Allelic Frequency	53%
Transcript	ENST00000311936
Copy Number	3
Ploidy	2.91
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Mar.-21-2019
Expiry	36 months from the date of manufacture

Quality Control

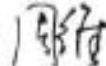
Test Items	Standard	Results	Passed
Quantity	1ug/vial*2vials	1ug/vial*2vials	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.0	1.86	√
DNA electrophoresis	No Degradation	 <p>M: Marker 1: KRAS p.G12A Reference Standard</p>	√
Genotype	Sanger Sequencing	 <p>GGTAGTTTGGAGCTGCTGGCGTAGGCAAG</p>	√

%AF	DdPCR	53.7%	√
-----	-------	-------	---

Caution:

For research use only.

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

Certified by:  Date:****

 Date:****