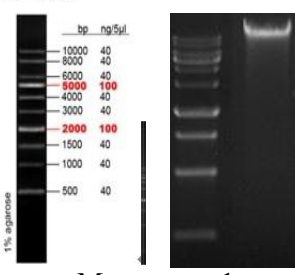
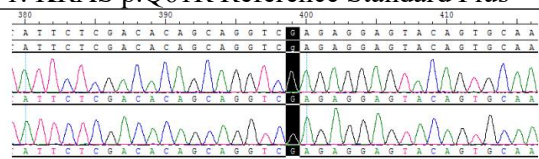


CERTIFICATE OF ANALYSIS

Product information

Name	KRAS p.Q61R Reference Standard Plus
Catalog No.	CBP10482
Lot No.	CBFA23032404X
Format	Genomic DNA
DNA Change	c.182A>G
AA Change	p.Q61R
Mutation Type	Substitution - Missense
Zygotity	Homozygous
%AF	100.00%
Transcript	ENST00000311936
Chr position(GRCh37)	chr12:25380276
Copy Number	2
Ploidy	2.13
Buffer	Tris-EDTA
Storage Conditions	4°C
Date of Manufacture	2023/03/24
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%	42.60 ng/uL by Qubit 3.0 detection	√
OD ₂₆₀ /OD ₂₈₀	1.7~2.1	1.98 by Nanodrop detection	√
DNA electrophoresis	No Degradation	1kb ladder  M: Marker 1: KRAS p.Q61R Reference Standard Plus	√
Genotype	Sanger Sequencing	 By sanger sequencing	√
%AF	100.00%	99.96% 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:****