

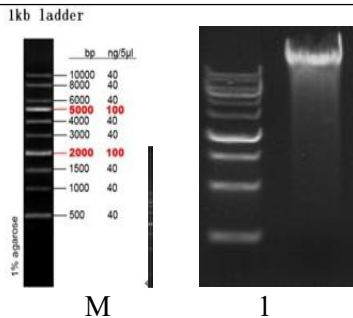
# CERTIFICATE OF ANALYSIS

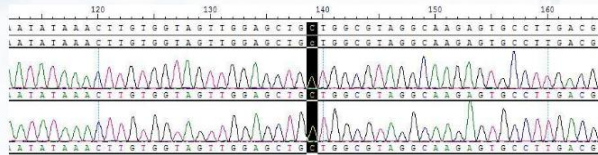
## AI-Edigene® KRAS p.G12A Reference Standard Plus

### Product information

Name	AI-Edigene® KRAS p.G12A Reference Standard Plus
Catalog No.	CBP10479
Lot No.	CGD14663812
Format	Genomic DNA
DNA Change	c.35G>C
AA Change	p.G12A
Mutation Type	Substitution - Missense
Zygosity	Homozygous
Allelic Frequency	100%
Transcript	ENST00000311936
Copy Number	2
Ploidy	2.13
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Dec.-17-2019
Expiry	36 months from the date of manufacture

### Quality Control



Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1 vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.74	√
DNA electrophoresis	No Degradation	 <p>           1kb ladder            bp ng/5ul            10000 40            8000 40            6000 40            4000 40            3000 40            2000 100            1500 40            1000 40            500 40            1% agarose            M 1            M: Marker            1: AI-Edigene® KRAS p.G12A Reference Standard Plus         </p>	√

Genotype	Sanger Sequencing		√
%AF	DdPCR	99.97% 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:\*\*\*\*