

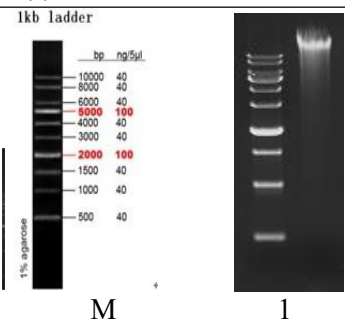
# CERTIFICATE OF ANALYSIS

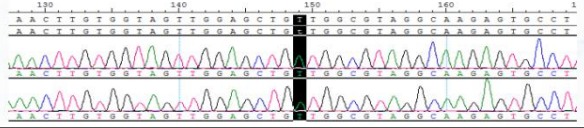
## AI-Edigene® KRAS p.G12V Reference Standard Plus

### Product information

Name	AI-Edigene® KRAS p.G12V Reference Standard Plus
Catalog No.	CBP10477
Lot No.	CGD27998232
Format	Genomic DNA
DNA Change	c.35G>T
AA Change	p.G12V
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.-02-2019
Expiry	36 months from the date of manufacture

### Quality Control


Test Items	Standard	Results	Passed
Quantity	1ug/vial*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.77	√
DNA electrophoresis	No Degradation	 <p>           M: Marker            1: AI-Edigene® KRAS p.G12V Reference Standard Plus         </p>	√

Genotype	Sanger Sequencing		√
Allelic Frequency	100.00%	99.99% 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:\*\*\*\*