

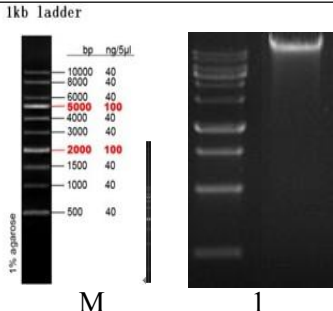
# CERTIFICATE OF ANALYSIS

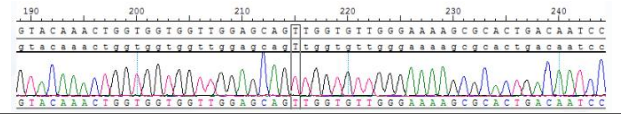
## AI-Edigene® NRAS p.G12V Reference Standard Plus

### Product information

Name	AI-Edigene® NRAS p.G12V Reference Standard Plus
Catalog No.	CBP10523
Lot No.	GBD33053254
Format	Genomic DNA
DNA Change	c.35G>T
AA Change	p.G12V
Mutation Type	Substitution - Missense
Zygosity	Homozygous
Allelic Frequency	100%
Transcript	NM_002524.5
Copy Number	1
Ploidy	1
Buffer	Tris-EDTA
Storage Conditions	-20°C
Date of Manufacture	Dec.-23-2020
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 <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.78	√
DNA electrophoresis	No Degradation	 <p>           1kb ladder            bp ng/5ul            10000 40            8000 40            6000 40            4000 100            3000 40            2000 100            1500 40            1000 40            500 40            1% agarose            M            1            M: Marker            1: AI-Edigene® NRAS p.G12V Reference Standard Plus         </p>	√

Genotype	Sanger Sequencing		√
%AF	100%	100% 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:\*\*\*\*