

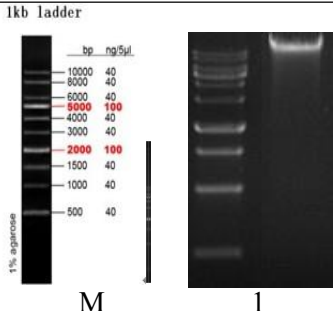
# CERTIFICATE OF ANALYSIS

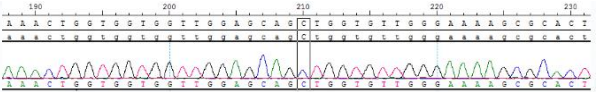
## AI-Edigene® NRAS p.G12A Reference Standard Plus

### Product information

Name	AI-Edigene® NRAS p.G12A Reference Standard Plus
Catalog No.	CBP10526
Lot No.	GBD20975516
Format	Genomic DNA
DNA Change	c.35G>C
AA Change	p.G12A
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.-17-2020
Expiry	36 months from the date of manufacture

### Quality Control

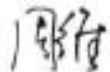
Test Items	Standard	Results	Passed
Quantity	1ug/vial*2vials	1ug/vial*2vials	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.88	√
DNA electrophoresis	No Degradation	 <p>1kb ladder</p> <p>bp ng/5ul</p> <p>10000 40</p> <p>8000 40</p> <p>6000 40</p> <p>4000 100</p> <p>3000 40</p> <p>2000 100</p> <p>1500 40</p> <p>1000 40</p> <p>500 40</p> <p>1% agarose</p> <p>M</p> <p>1</p> <p>M: Marker</p> <p>1: AI-Edigene® NRAS p.G12A 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:\*\*\*\*