

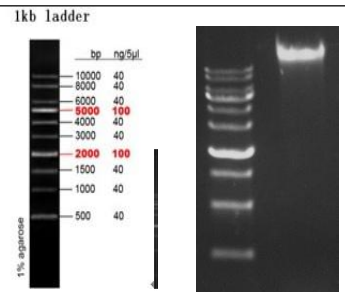
# CERTIFICATE OF ANALYSIS

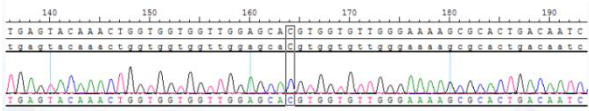
## AI-Edigene NRAS p.G12R Reference Standard Plus

### Product information

Name	AI-Edigene NRAS p.G12R Reference Standard Plus
Catalog No.	CBP10522
Lot No.	GBD59394911
Format	Genomic DNA
DNA Change	c.34G>C
AA Change	p.G12R
Mutation Type	Substitution - Missense
Zygoty	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*1vial	1ug/vial*1vial	√
Concentration	Qubit 3.0	40 ng/uL±10%	√
OD <sub>260</sub> /OD <sub>280</sub>	1.7~2.0	1.86	√
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>5000 100</p> <p>4000 40</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 1</p> <p>M: Marker</p> <p>1: AI-Edigene NRAS p.G12R Reference Standard Plus</p>	√

Genotype	Sanger Sequencing		√
%AF	DdPCR	100%	√

**Caution:**

For research use only.

If you have any questions about the Certificate of Analysis, please contact us.

Certified by:  Date:\*\*\*\*

 Date:\*\*\*\*