

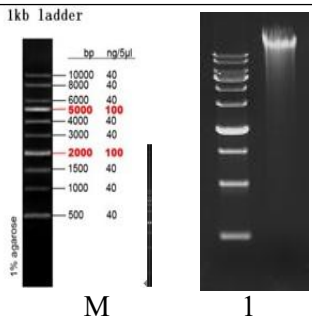
# CERTIFICATE OF ANALYSIS

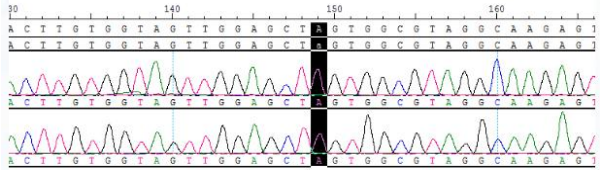
## AI-Edigene® KRAS p.G12S Reference Standard Plus

### Product information

|                     |   |
|---------------------|---|
| Name                | AI-Edigene® KRAS p.G12S Reference Standard Plus |
| Catalog No.         | CBP10476  |
| Lot No.             | CGD71350755                                     |
| Format              | Genomic DNA                                     |
| DNA Change          | c.34G>A   |
| AA Change           | p.G12S  |
| 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

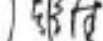
| Test Items                           | Standard       | Results   | Passed |
|--------------------------------------|----------------|---|--------|
| Quantity                             | 1ug/vial*1vial | 1ug/vial*1vial  | √      |
| Concentration                        | Qubit 3.0      | 40 ng/uL±10%  | √      |
| OD <sub>260</sub> /OD <sub>280</sub> | 1.7~2.0        | 1.91  | √      |
| DNA electrophoresis                  | No Degradation |  <p style="text-align: center;">M                      1</p> <p>M: Marker<br/>1: AI-Edigene® KRAS p.G12S Reference Standard Plus</p> | √      |

|                   |                   |  |   |
|-------------------|-------------------|--|---|
| Genotype          | Sanger Sequencing |  | √ |
| Allelic Frequency | 100.00%           | 100.00% 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:\*\*\*\*