

Singleplex gDNA Reference Standard

IMPORTANT: Centrifuge tube prior to opening to prevent loss of product

PRODUCT INFORMATION

| | |
|--------------------------|------------------|
| Catalog ID | HD688 |
| Batch ID | 43777 |
| Product Description | 50% PIK3CA E542K |
| Date of Manufacture | 15-Apr-2020 |
| Manufacturing QMS Status | ISO 13485 |

PROPERTIES

| | |
|--------------------|--|
| Quantity | 1 µg |
| Concentration | 50 ng/µL |
| Buffer | Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0 |
| Storage Conditions | +4°C (2-8°C) |
| Use by | For the latest information on product shelf life, please visit our website: https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information |

CUSTOMER SUPPORT

| | |
|-------------------|--|
| Technical Support | technical@horizondiscovery.com |
| Customer Service | orders@horizondiscovery.com |

ADDITIONAL INFORMATION

N/A

Horizon Discovery

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QUALITY CONTROL

Allele Frequency (AF) and Genotype: Droplet Digital™ PCR

| Gene | Mutation | Expected Allele Frequency | Acceptance Criteria | Actual AF (%) | Pass/Fail |
|--------|----------|---------------------------|---------------------|---------------|-----------|
| PIK3CA | E542K | 50.00% | 45.00-55.00% | 49.40% | PASS |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | N/A | N/A |

Quality: Agarose gel electrophoresis

| Acceptance Criteria | Band Present/Absent | Pass/Fail |
|--------------------------------------|---------------------|-----------|
| Bright band of high molecular weight | Present | PASS |

Quantification: Spectrophotometry (A260)

| Acceptance Criteria | Reading | Pass/Fail |
|---------------------|-------------|-----------|
| 48.00 - 52.00 ng/μL | 49.81 ng/μL | PASS |

FOR RESEARCH USE ONLY

Manufactured in the UK

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