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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

mutaFISH™ IDH1 R132H R132wt IDH2 R172K R172wt RNA Probes

Catalog Number: FP0012

Regulatory Status: For research use only (RUO)

Product Description: mutaFISH™ IDH1 R132H R132wt IDH2 R172K R172wt RNA Probes is designed to detect human IDH1 R132H gene mutation and IDH2 R172K gene mutation on single strand RNA in cells using padlock probe and *in situ* rolling-circle amplification technology.

Applications: mutaFISH-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Supplied Product: Content:

1. RT IDH1 R132 Primer

2. RT IDH2 R172 Primer

3. mutaFISH™ IDH1 R132H RNA Probe

4. mutaFISH™ IDH1 R132wt RNA Probe

5. mutaFISH™ IDH2 R172K RNA Probe

6. mutaFISH™ IDH2 R172wt RNA Probe

7. Detection Probe-Aqua 431

8. Detection Probe-Texas Red X

9. Detection Probe-6-HEX

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3417

Gene Symbol: IDH1

Gene Alias: IDCD, IDH, IDP, IDPC, PICD

Gene Summary: Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. These enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acceptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)-dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominantly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this gene is the NADP(+)-dependent isocitrate dehydrogenase found in the cytoplasm and peroxisomes. It contains the PTS-1 peroxisomal targeting signal sequence. The presence of this enzyme in peroxisomes suggests roles in the regeneration of NADPH for intraperoxisomal reductions, such as the conversion of 2, 4-dienoyl-CoAs to 3-enoyl-CoAs, as well as in peroxisomal reactions that consume 2-oxoglutarate, namely the alpha-hydroxylation of phytanic acid. The cytoplasmic enzyme serves a significant role in cytoplasmic NADPH production. [provided by RefSeq]