

Kreatech™ FISH probes

Product Information Sheet

KI-10736

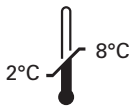
MDM4 (1q32) / SE 1

100 µl

DANGER



FORMAMIDE



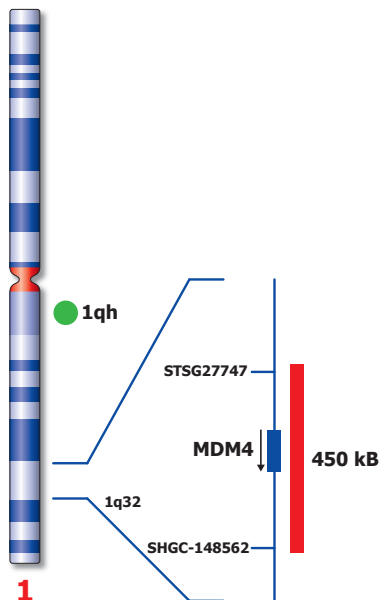
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RUO - Research Use Only

Not for use in diagnostic procedures

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Not to scale

KI-10736

Kreatech™ MDM4 (1q32) / SE 1 FISH probe

Introduction: The **MDM4 (1q32)** specific FISH probe is optimized to detect the MDM4 gene region at region 1q32. The **Satellite Enumeration (SE) 1** FISH probe is included to facilitate chromosome identification.

Critical region 1 (red): The **MDM4 (1q32)** gene region probe is direct-labeled with PlatinumBright™550.
Control region (green): The **SE 1** FISH probe is direct-labeled with PlatinumBright™495.

Reagent: Kreatech probes are direct-labeled DNA probes provided in a ready-to-use format. Apply 10 µl of probe to a sample area of approximately 22 x 22 mm.

Please refer to the Instructions for Use for the entire Kreatech FISH protocol.

Kreatech FISH probes are REPEAT-FREE™ and therefore do not contain Cot-1 DNA. Hybridization efficiency is increased and background, due to unspecific binding, is highly reduced.

Patterns: The **MDM4 (1q32) / SE 1** FISH probe is designed as a dual-color assay to detect amplifications at 1q32. Amplifications involving the MDM4 gene region at 1q32 will show several red signals, while the control at the chromosome 1 centromere will provide 2 green signals. Two single color red (R) and green (G) signals will identify the normal chromosomes 1 (2R2G).

	Normal Signal Pattern	1q32 Amplification
Expected Signals	2R2G	3+R2G

References: Riemenschneider et al, 1999, Cancer Res. 59 ; 6091-6096
Danovi et al, 2004, Mol.Cell.Bio. 24; 5835-5843

Warning and precautions: In case of emergencies check SDS sheets for medical advice. SDS sheets may be obtained by either contacting Leica Technical Support or visiting www.LeicaBiosystems.com. DNA probes contain formamide which is a teratogen; do not inhale or allow skin contact. Wear gloves and a lab coat when handling DNA probes. All materials should be disposed of according to your institution's guidelines for hospital waste disposal.

Reagent Storage and Handling: Store at 2-8 °C. Reagents should not be used after the expiration date on the vial label.

TECHNICAL SUPPORT Technical support is available at www.LeicaBiosystems.com/service-support/technical-support/ or toll free at 800-248-0123 or via e-mail: kreatech-support@leicabiosystems.com.

CUSTOMER SERVICE Kreatech probes may be ordered through Leica Customer Service toll free at 800-248-0123 or order via e-mail: purchase.orders@leica-microsystems.com.