

## Kreatech™ FISH probes Product Information Sheet

KI-40116

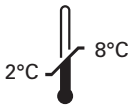
IGF1R (15q26) / 15q11

100 µl

**DANGER**



**FORMAMIDE**



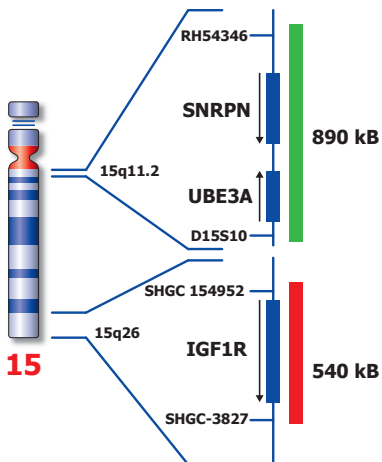
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**RUO - Research Use Only**

Not for use in diagnostic procedures

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Not to scale

KI-40116

## Kreatech™ IGF1R (15q26) / 15q11 FISH probe

**Introduction:** The **IGF1R (15q26)** specific FISH probe is optimized to detect the IGF1R gene region at region 15q26. The **15q11 (SNRPN / UBE3A)** specific region probe is included to facilitate chromosome identification.

**Critical region 1 (red):** The **IGF1R (15q26)** specific FISH probe is direct-labeled with PlatinumBright™550.  
**Control region (green):** The **15q11** specific 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 **IGF1R (15q26) / 15q11** FISH probe is designed as a dual-color assay to detect amplifications or deletions at 15q26. Amplifications involving the IGF1R gene region at 15q26 will show several red signals, while the control at the 15q11 control region will provide 2 signals. Two single color red and green signals will identify the normal chromosomes 15 (2R2G). Deletions involving the IGF1R gene region at 15q26 will show one red signal and two green signals at the 15q11 control region (1R2G). Two single color red and green signals will identify the normal chromosomes 15 (2R2G)

	Normal Signal Pattern	15q26 Amplification	15q26 Deletion
Expected Signals	2R2G	3+R2G	1R2G

**References:** Faivre et al, 2002, Eur J Hum Genet. 10 ; 699-706.  
Okubo et al, 2003, J Clin Endocrinol. Metab 88 ; 5981-5988.

**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](http://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/](http://www.LeicaBiosystems.com/service-support/technical-support/) or toll free at 800-248-0123 or via e-mail: [kreatech-support@leicabiosystems.com](mailto: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](mailto:purchase.orders@leica-microsystems.com).