

## Kreatech™ FISH probes Product Information Sheet

KI-40110

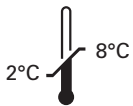
UBE3A (15q11) / PML (15q24)

100 µl

**DANGER**



**FORMAMIDE**



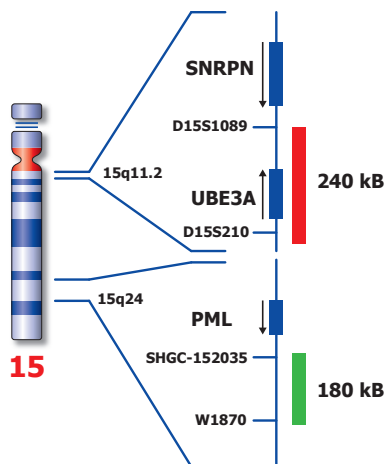
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**RUO - Research Use Only**

Not for use in diagnostic procedures

PI-KI-40110\_D2.1

Published Sept 2015



Not to scale

KI-40110

## Kreatech™ UBE3A (15q11) /PML (15q24) FISH probe

**Introduction:** The **UBE3A (15q11)** region probe is optimized to detect of the UBE3A (AS, ANCR, HPVE6A) gene region at 15q11. The **PML (15q24)** gene specific FISH probe at 15q24 is included as probe.

**Critical region 1 (red):** The **UBE3A (15q11)** specific FISH probe is direct-labeled with PlatinumBright™550.  
**Control region (green):** The **PML (15q24)** 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 **UBE3A (15q11) / PML (15q24)** FISH probe is designed as a dual-color assay to detect deletions at 15q11. Deletions involving the UBE3A gene region will show one red signal and two green signals at the PML (15q24) control region (1R2G). Two single color red and green signals will identify the normal chromosomes 15 (2R2G)

	Normal Signal Pattern	Del(15q11) UBE3A
Expected Signals	2R2G	1R2G

**References:** Kishino T. et al, 1997, Nat Genet 15; 70-3  
Burger et al, 2002, Am J Med Genet. 111(3); 233-237  
Christian SL et al, 1998, Genome Res. 8(2); 146-157

**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).