

ANOS1/STS/CCPX FISH Probe Kit

Introduction

The ANOS1/STS/CCPX FISH Probe Kit is designed to detect the human ANOS1 and STS genes located on chromosome band Xp22.31, along with the number of chromosome X copies per cell. Abnormal expression or rearrangements in the ANOS1 gene – also known as KAL, ADMLX, or KAL1 – and the STS gene – also known as ARSC1 – region are associated with Kallmann Syndrome, Steroid Sulfatase Deficiency, X-linked recessive ichthyosis, etc.

Intended Use

To measure the copy number of the human ANOS1 and STS genes located on chromosome band Xp22.31.

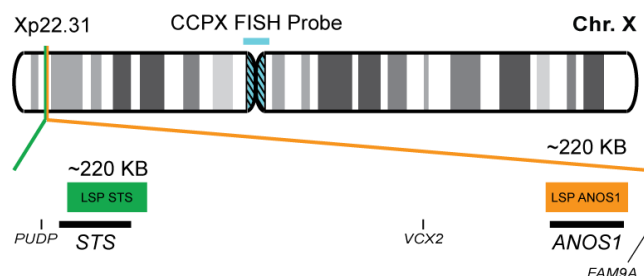
Cont.

Color

LSP ANOS1 FISH Probe
LSP STS FISH Probe
CCPX FISH Probe

CytoOrange
CytoGreen
CytoAqua

Probe Design



Not to Scale

LSP ANOS1 FISH Probe covers a chromosomal region which includes the entire ANOS1 gene. LSP STS FISH Probe covers a chromosomal region which includes almost the entire STS gene. CCPX FISH Probe, derived from chromosome X-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome X copies per cell but is also useful in detecting gene rearrangements involving the X chromosome.

Cat. No.

Volume

CT-PAC483-10-OGA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

1O1G1A (Male)
2O2G2A (Female)

Abnormal Patterns

Other Patterns

- 1) Hardelin JP. Mol Cell Endocrinol. 179(1-2):75-81 (2001).
- 2) Hardelin JP, et al. Adv Otorhinolaryngol. 56:268-74 (2000).
- 3) Dode C & Hardelin JP. J Mol Med (Berl). 82(11):725-34 (2004).
- 4) Sanchez-Guijo A, et al. Mol Cell Endocrinol. 437:142-153 (2016).
- 5) Mueller JW, et al. Endocr Rev. 36(5):526-63 (2015).

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

DCN032

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