

SHOX/CCPX,CCPY FISH Probe Kit

Introduction

The SHOX/CCPX, CCPY FISH Probe Kit is designed to detect the human SHOX gene located on chromosome bands Xp22.33 and Yp11.2, along with the numbers of chromosome X and chromosome Y copies per cell. Abnormal expression of the SHOX gene – also known as SS, GCFX, PHOG, SHOXY – has been observed in various tumor types.

Intended Use

To measure the copy number of the human *SHOX* gene located on chromosome bands Xp22.33 and Yp11.2.

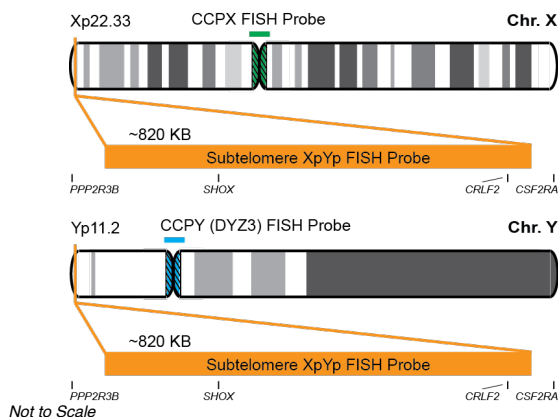
Cont.

Color

LSP SHOX FISH Probe
CCPX FISH Probe
CCPY (DYZ3) FISH Probe

CytoOrange
CytoGreen
CytoAqua

Probe Design



LSP SHOX FISH Probe covers a chromosomal region which includes the entire *SHOX* gene. CCPX and CCPY FISH Probes, derived from chromosome X-, Y-specific alpha satellite DNA, are designed to serve as controls to determine the numbers of chromosome X and Y copies per cell.

Cat. No.

Volume

CT-PAC395-10-OGA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

201G1A (Male)
202G (Female)

Abnormal Patterns

Other Patterns

- Bertorelli R, et al. Clin Genet. 72(5):490-1 (2007).
- Rao E, et al. Hum Mol Genet. 10(26):3083-91 (2001).
- Ibarra-Ramirez M, et al. Genet Test Mol Biomarkers. 24(6):352-358 (2020).
- Benito-Sanz S, et al. Am J Hum Genet. 77(4):533-44 (2005).
- Gatta V, et al. BMC Med Genet. 15:87 (2014).

* 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.

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