

ZMYND11/CCP10 FISH Probe Kit

Introduction

The ZMYND11/CCP10 FISH Probe Kit is designed to detect the human ZMYND11 gene located on chromosome band 10p15.3, along with the number of chromosome 10 copies per cell. Defects in ZMYND11 – also known as BS69, BRAM1 or MRD30 – are associated with autism spectrum disorder, ovarian cancer, acute myeloid leukemia (AML), prostate cancer and other malignancies.

Intended Use

To measure the copy number of the human *ZMYND11* gene located on chromosome band 10p15.3.

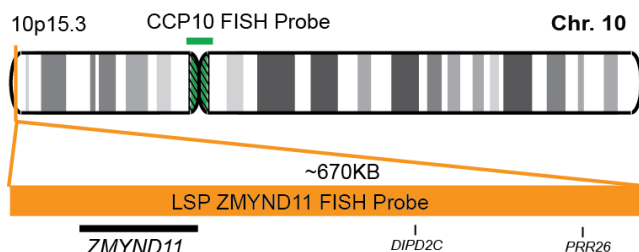
Cont.

Color

LSP ZMYND11 FISH Probe
CCP10 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP ZMYND11 FISH Probe covers a chromosomal region, which includes the entire *ZMYND11* gene. CCP10 FISH Probe, derived from chromosome 10-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 10 copies per cell.

Cat. No.

Volume

CT-PAC273-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

Other Patterns

- 1) Oates S, et al. *Clin Genet.* 100(4):412-429 (2021).
- 2) Tumiene B, et al. *J Appl Genet.* 58(4):467-474 (2017).
- 3) Yang H, et al. *Ann Hematol.* 89(10):959-64(2010).
- 4) de Rooij JDE, et al. *Genes Chromosomes Cancer.* 55(3):237-41 (2016).
- 5) Hughes-Davies L, et al. *Cell.* 115(5):523-35 (2003).

* 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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