

## CTNND2/EGR1 FISH Probe Kit

### Introduction

The CTNND2/EGR1 FISH Probe Kit is designed to detect the human *CTNND2* gene located on chromosome band 5p15.2, and the *EGR1* gene on chromosome band 5q31.2. Abnormal expression of the *CTNND2* gene – also known as *GT24* or *NPRAP* – has been observed in brain and prostate carcinoma and other solid tumor types. Abnormalities in *EGR1* – also known as *TIS8*, *AT225*, *G0S30*, *NGFI-A*, *ZNF225*, *KROX-24* or *ZIF-268* – have been observed in myeloid malignancies, fibrosarcoma, lung, brain, breast, skin, prostate liver and various other cancer types. Deletions in the *CTNND2* gene region are found in the rare genetic disorder Cri du Chat syndrome.

### Intended Use

To measure the copy number of the human *CTNND2* gene located on chromosome band 5p15.2 and the *EGR1* gene on chromosome band 5q31.2

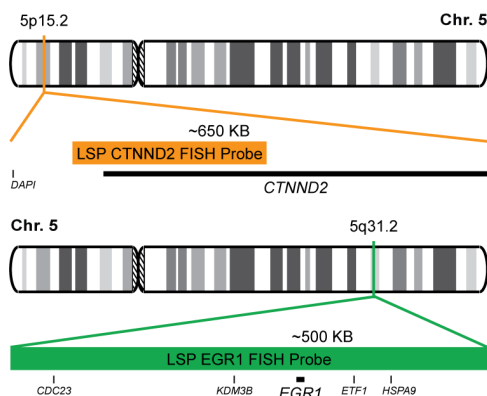
### Cont.

### Color

LSP CTNND2 FISH Probe  
LSP EGR1 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP CTNND2 FISH Probe covers a chromosomal region, which includes the *CTNND2* gene along with some flanking genomic sequences. LSP EGR1 FISH Probe covers the entire *EGR1* gene.

### Cat. No.

### Volume

CT-PAC437-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- Huang F, et al. *Oncol. Rep.* 39(2):809-817 (2018).
- Brown J, et al. *World J. Gastroenterol.* 17(24):2909-23 (2011).
- Frattini V, et al. *Nat. Genet.* 45(10):1141-9 (2013).
- Medina M, et al. *Genomics* 63(2):157-64 (2000).
- Cerruti Meinardi P, Orphanet J. *Rare Dis.* 1:33 (2006).



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