

## SEMA5A/CCP5 FISH Probe Kit

### Introduction

The SEMA5A/CCP5 FISH Probe Kit is designed to detect the human *SEMA5A* gene located on chromosome band 5p15.31, along with the number of chromosome 5 copies per cell. Abnormal expression of the *SEMA5A* gene – also known as *semF* or *SEMAF* – has been observed in gastric cancer and other tumor types.

### Intended Use

To measure the copy number of the human *SEMA5A* gene located on chromosome band 5p15.31.

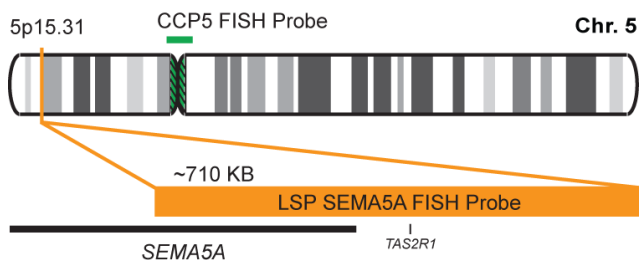
### Cont.

LSP SEMA5A FISH Probe  
CCP5 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



LSP SEMA5A FISH Probe covers the 5' (start) portion of the *SEMA5A* gene and some adjacent genomic sequences. CCP5 FISH Probe, derived from chromosome 5-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 5 copies per cell.

Not to Scale

### Cat. No.

CT-PAC043-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

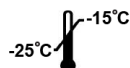
#### Normal Pattern

2O + 2G

#### Abnormal Pattern

Other Patterns

- 1) Sadanandam A, et al. *Int J Cancer*. 127(6):1373-83 (2010).
- 2) Lu TP, et al. *Cancer Epidemiol Biomarkers Prev*. 19(10):2590-7 (2010).
- 3) Matsuoka RL, et al. *PLoS One*. 8(4):e63207 (2013).
- 4) Zhu B, et al. *Neuroimage*. 88C:181-187 (2013).
- 5) Høyer H, et al. *Biomed Res Int*. 2015:960404 (2015).



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\* 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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