

# 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.

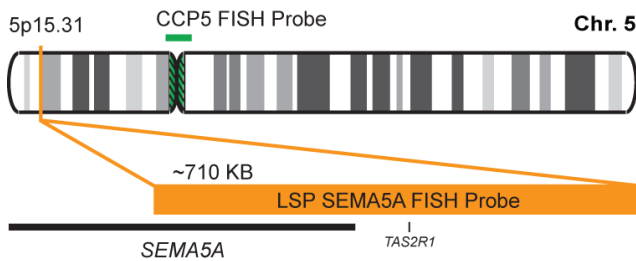
### Intended Use

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

Cont.	Color
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LSP SEMA5A FISH Probe CCP5 FISH Probe	CytoOrange CytoGreen
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## 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.	Volume
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CT-PAC043-10-OG	10 Tests (100 µL)
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### Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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20 + 2G	Other Patterns
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- 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.