

# PTGS2/CCP1 FISH Probe Kit

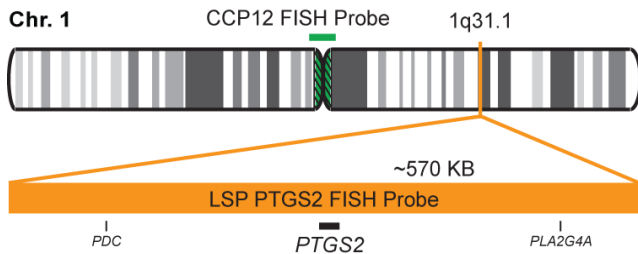
## Introduction

The PTGS2/CCP1 FISH Probe Kit is designed to detect the human *PTGS2* gene located on chromosome band 1q31.1, along with the number of chromosome 1 copies per cell. Abnormal expression of the *PTGS2* gene – also known as *COX2*, *COX-2*, *PHS-2*, *PGG/HS*, *PGHS-2*, *hCox-2* or *GRIPGHS* – has been observed in colorectal, lung, uterine, ovarian, pancreatic and many other tumor types.

Intended Use
To measure the copy number of the human <i>PTGS2</i> gene located on chromosome band 1q31.1.

Cont.	Color
LSP PTGS2 FISH Probe CCP1 FISH Probe	CytoOrange CytoGreen

## Probe Design



LSP PTGS2 FISH Probe covers a chromosomal region which includes the entire *PTGS2* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC006-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
2O + 2G	Other Patterns

- 1) Saukkonen K, et al. *APMIS*. 111(10):915-25 (2003).
- 2) Lin DT, et al. *Head Neck*. 24(8):792-9 (2002).
- 3) Zha S, et al. *Cancer Lett*. 215(1):1-20 (2004).
- 4) Rask K, et al. *Mol Cancer*. 5:62 (2006).
- 5) Konstantinopoulos PA, et al. *Int J Colorectal Dis*. 22(1):57-68 (2007).



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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.