

## EXOC2/CCP6 FISH Probe Kit

### Introduction

The EXOC2/CCP6 FISH Probe Kit is designed to detect the human EXOC2 gene located on chromosome band 6p25.3, along with the number of chromosome 6 copies per cell. Mutations in EXOC2 – also known as SEC5, Sec5p, SEC5L1 or NEDFACH – are associated with severe defects in brain development, cutaneous basal cell carcinoma, squamous cell carcinoma and other malignancies.

### Intended Use

To measure the copy number of the human *EXOC2* gene located on chromosome band 6p25.3.

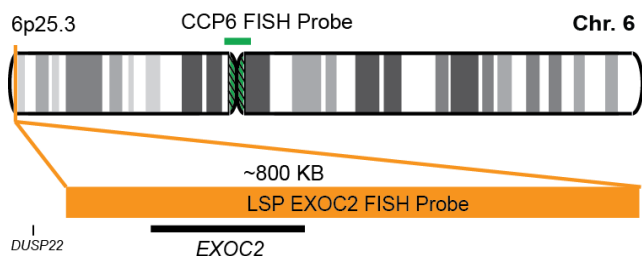
### Cont.

### Color

LSP EXOC2 FISH Probe  
CCP6 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP EXOC2 FISH Probe covers a chromosomal region, which includes the entire *EXOC2* gene. CCP6 FISH Probe, derived from chromosome 6 specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 6 copies per cell.

### Cat. No.

### Volume

CT-PAC266-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- 1) Issaq SH, et al. *Mol Cancer Res.* 8(2):223-31 (2010).
- 2) Sugihara K, et al. *Nat Cell Biol.* 4(1):73-8 (2002).
- 3) Van Bergen NJ, et al. *J Exp Med.* 217(10):E20192040 (2020).
- 4) Matern HT, et al. *Proc Natl Acad Sci U S A.* 98(17):9648-53 (2001).
- 5) Hazelett CC & Yeaman C. *PLoS One.* 7(6):e39602 (2012).

\* 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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