

## RB1/LAMP1 FISH Probe Kit

### Introduction

The RB1/LAMP1 FISH Probe Kit is designed to detect the human *RB1* and *LAMP1* genes located on chromosome bands 13q14.2 and 13q34, respectively. Abnormal expression of the *RB1* gene – also known as *RB*, *pRb*, *OSRC*, *pp110*, *p105-Rb* or *PPP1R130* – has been observed in retinoblastoma, sarcomas and various other heritable and somatic tumor types.

### Intended Use

To measure the copy number of the human *RB1* gene located on chromosome band 13q14.2.

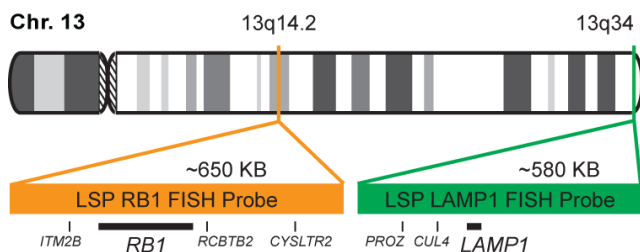
### Cont.

LSP RB1 FISH Probe  
LSP LAMP1 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP RB1 FISH Probe covers a chromosomal region which includes the entire *RB1* gene. LSP LAMP1 FISH Probe, covering a chromosomal region around *LAMP1* gene located at 13q34, is designed to serve as a control to determine the number of chromosome 13q arm copies per cell.

### Cat. No.

CT-PAC354-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Pattern

2O + 2G

#### Abnormal Pattern

Other Patterns

- 1) Toguchida J, et al. *Genomics*. 17(3):535-43 (1993).
- 2) Weinberg RA. *Cell*. 81(3):323-30 (1995).
- 3) Taya Y. *Trends Biochem Sci*. 22(1):14-7 (1997).
- 4) Tsimberidou AM, et al. *Cancer*. 115(2):373-80 (2009).
- 5) Caraway NP, et al. *Cancer*. 2008 Oct 25;114(5):315-22 (2008).



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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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