

## 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.

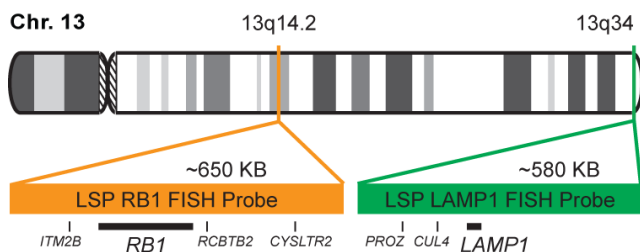
### Cont.

### Color

LSP RB1 FISH Probe  
LSP LAMP1 FISH Probe

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.

### Volume

CT-PAC354-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G

#### Abnormal Patterns

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).

\* 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.

DCN032

© CytoTest Inc.



CytoTest Inc.  
1395 Piccard Drive, Suite 308  
Rockville, MD 20850, USA