

# MCF2L/LAMP1 FISH Probe Kit

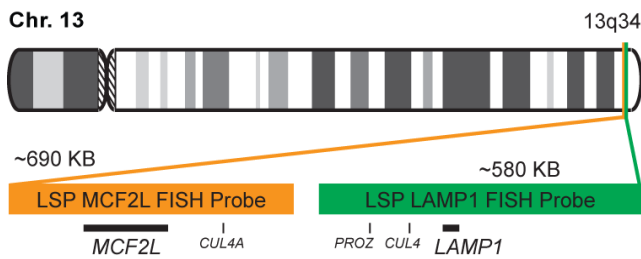
## Introduction

The MCF2L/LAMP1 FISH Probe Kit is designed to detect the human *MCF2L* gene, located on chromosomes band 13q34, and the *LAMP1* gene region on chromosome band 13q34. Abnormalities in both genes have been reported in breast cancer and other malignancies.

Intended Use
To measure the copy number of the human <i>MCF2L</i> and <i>LAMP1</i> gene region located on chromosome band 13q34.

Cont.	Color
LSP MCF2L FISH Probe LSP LAMP1 FISH Probe	CytoOrange CytoGreen

## Probe Design



LSP MCF2L FISH Probe covers a chromosomal region which includes the entire *MCF2L* 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 13 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC027-10-OG	10 Tests (100 µL)

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

- Charalsawadi C, et al. *Cytogenet Genome Res.* 144(1):1-8 (2014).
- Kazgan N, et al. *Gastroenterology.* 146(4):1006-16 (2014)
- Smith WJ, et al. *Biochemistry.* 44(40):13282-90 (2005).
- Kostenko EV, et al. *J Biol Chem.* 280(4):2807-17 (2005).
- Charalsawadi C, et al. *Cytogenet Genome Res.* 144(1):1-8 (2014).



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