

# EGR1/D5S23, D5S721 FISH Probe Kit

## Introduction

The EGR1/D5S23, D5S721 FISH Probe Kit is designed to detect the human *EGR1* gene, located on chromosomes band 5q31.2, and the D5S23-D5S721 STS marker region on chromosome band 5p15.2. Abnormal expression of the *EGR1* gene – also known as *ERBB*, *HER1*, *mENA*, *ERBB1*, *PIG61* or *NISBD2* – has been observed in lung cancer and many other solid tumor types.

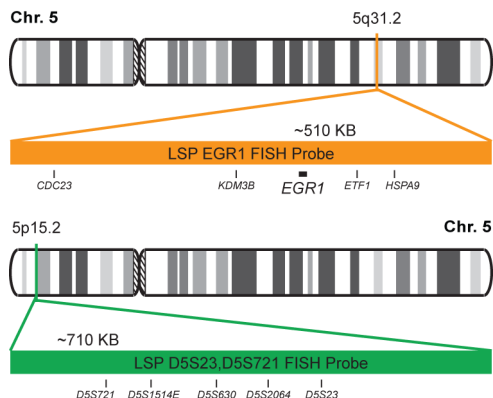
## Intended Use

To measure the copy number of the human *EGR1* gene located on chromosome band 5q31.2.

Cont.	Color
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LSP EGR1 FISH Probe LSP D5S23,D5S721 FISH Probe	CytoOrange CytoGreen
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## Probe Design



LSP EGR1 FISH Probe covers a chromosomal region which includes the entire *EGR1* gene. LSP D5S23, D5S721 FISH Probe, covering a chromosomal region around the D5S23 and D5S721 STS markers located at 5p15.2, is designed to serve as a control to determine the number of chromosome 5 copies per cell. It also aids in distinguishing whole chromosome 5 losses from losses of chromosome arm 5q.

Cat. No.	Volume
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CT-PAC353-10-OG	10 Tests (100 µL)
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## Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2O + 2G	Other Patterns

- Ronski K, et al. *Cancer*. 104(5):925-30 (2005).
- Joslin JM, et al. *Blood*. 110(2):719-26 (2007).
- Gitenay D & Baron VT. *Future Oncol*. 5(7):993-1003 (2009).
- Hoffman MW, et al. *Cancer Genet Cytogenet*. 191(2):106-8 (2009).
- Wang B, et al. *Mol Cancer Res*. 7(5):755-64 (2009).



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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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