

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.

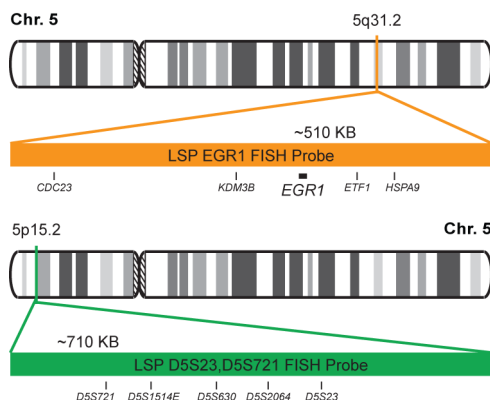
Cont.

Color

LSP EGR1 FISH Probe
LSP D5S23,D5S721 FISH Probe

CytoOrange
CytoGreen

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

CT-PAC353-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

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

* 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

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