

CSF1R/EGR1 FISH Probe Kit

Introduction

The CSF1R/EGR1 FISH Probe Kit is designed to detect the human CSF1R gene, located on chromosome band 5q32, and the EGR1 gene on chromosome band 5q31.2. Abnormalities in CSF1R – also known as FMS, CSFR, FIM2, HDLS, C-FMS, CD115, CSF-1R or M-CSF-R – and abnormalities in EGR1 – also known as ERBB, HER1, mENA, ERBB1, PIG61 or NISBD2 – have been observed in myeloid malignancies, lung cancer and several other cancer types.

Intended Use

To measure the copy number of the human *CSF1R* and *EGR1* genes located on chromosome bands 5q32 and 5q31.2, respectively.

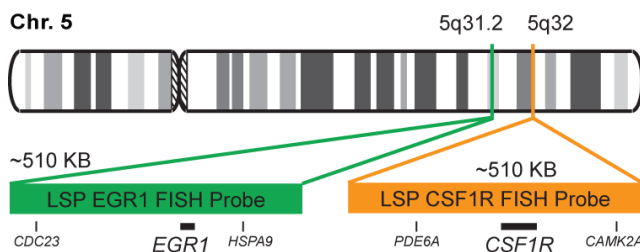
Cont.

Color

LSP CSF1R FISH Probe
LSP EGR1 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP CSF1R FISH Probe covers a chromosomal region which includes the entire *CSF1R* gene. LSP EGR1 FISH Probe covers a chromosomal region which includes the entire *EGR1* gene.

Not to Scale

Cat. No.

Volume

CT-PAC127-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G*

Abnormal Patterns

1O2G, 2G, 2O1G, 2O, or others

*Overlapping orange and green signals can appear as yellow.

1) Gu TL, et al. *Blood*. 110(1):323-33 (2007).
2) Shih LY, et al. *Leukemia*. 22(2):303-7 (2008).
3) Ronski K, et al. *Cancer*. 104(5):925-30 (2005).
4) Joslin JM, et al. *Blood*. 110(2):719-26 (2007).
5) Hoffman MW, et al. *Cancer Genet Cytogenet*. 191(2):106-8 (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.