

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.

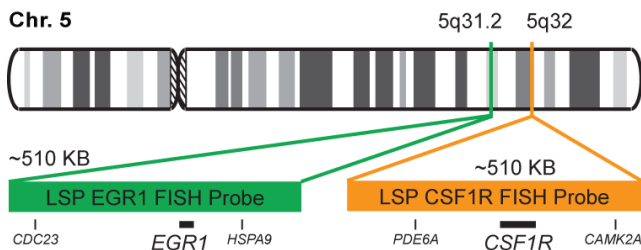
Intended Use

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

Cont.	Color
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LSP CSF1R FISH Probe	CytoOrange CytoGreen
LSP EGR1 FISH Probe	

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
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CT-PAC127-10-OG	10 Tests (100 µL)
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Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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2O + 2G*	Other Patterns
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*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).



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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.