

PDGFB Break Apart FISH Probe Kit

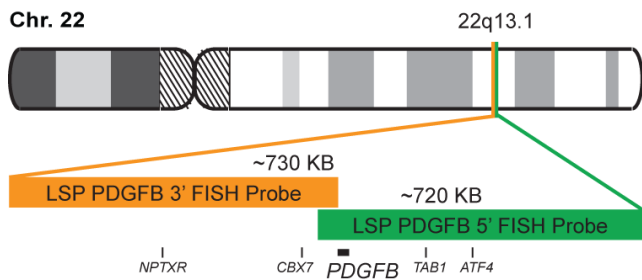
Introduction

The PDGFB Break Apart FISH Probe Kit is designed to detect rearrangements in the human *PDGFB* gene located on chromosome band 22q13.1. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *PDGFB* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *PDGFB* gene – also known as *CRL2*, *TSLPR* or *CRLF2Y* – have been observed in dermatofibrosarcoma protuberans (DFSP) and some other tumor types.

Intended Use
To detect rearrangements in the human <i>PDGFB</i> gene located on chromosome band 22q13.1.

Cont.	Color
LSP PDGFB 5' FISH Probe LSP PDGFB 3' FISH Probe	CytoGreen CytoOrange

Probe Design



LSP PDGFB 5' FISH Probe covers the *PDGFB* gene and some sequences upstream of the 5' end. LSP PDGFB 3' FISH Probe covers the gene as well as sequences downstream (3' end) of the gene. The two probes are flanking an area across the *PDGFB* gene in which various breakpoints have been observed.

Not to Scale

Cat. No.	Volume
CT-PAC090-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2OG*	<u>Abnormal Pattern</u> Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Pedoutour F, et al. *Cytogenet Cell Genet.* 72(2-3):171-4 (1996).
- 2) Simon MP, et al. *Nat Genet.* 15(1):95-8 (1997).
- 3) Greco A, et al. *Oncogene.* 17(10):1313-9 (1998).
- 4) Wang J, et al. *Diagn Mol Pathol.* 8(3):113-9 (1999).
- 5) Simon MP, et al. *Oncogene.* 20(23):2965-75 (2001).



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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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