

FGFR1 Break Apart FISH Probe Kit

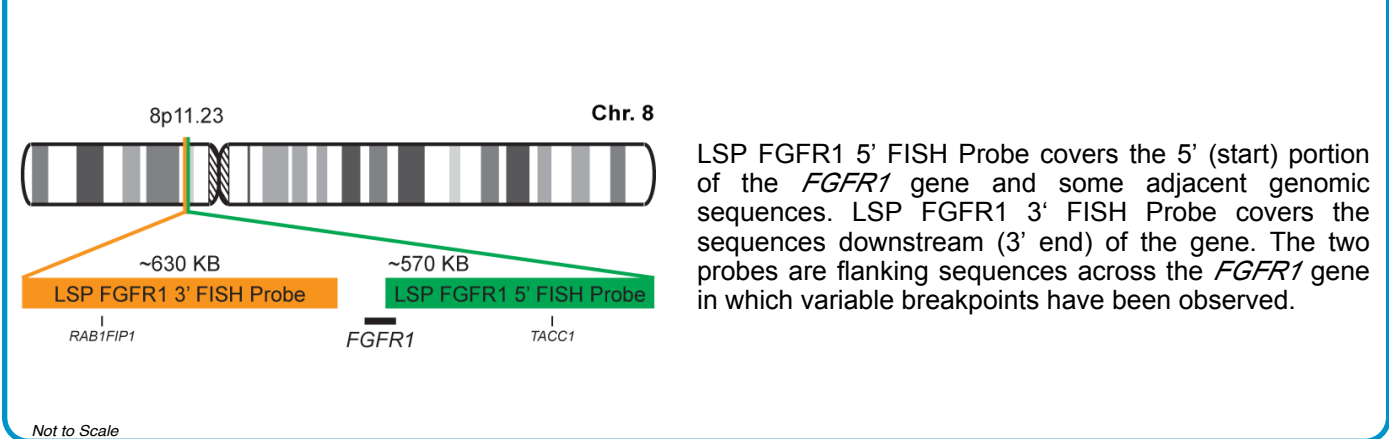
Introduction

The FGFR1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *FGFR1* gene located on chromosome band 8p11.23. 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 *FGFR1* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *FGFR1* gene – also known as *CEK*, *FLG*, *HH2*, *OGD*, *FLT2*, *KAL2*, *BFGFR*, *CD331*, *FGFBR*, *FLT-2*, *HBGFR*, *N-SAM*, *FGFR-1*, *HRTFDS* or *bFGF-R-1* – have been observed in a large number of hematological and solid tumor types, and other conditions.

Intended Use
To detect rearrangements in the human <i>FGFR1</i> gene located on chromosome band 8p11.23.

Cont.	Color
LSP FGFR1 5' FISH Probe LSP FGFR1 3' FISH Probe	CytoGreen CytoOrange

Probe Design



Cat. No.	Volume
CT-PAC056-10-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) Elbauomy Elsheikh S, et al. *Breast Cancer Res.* 9(2):R23 (2007).
- 2) Freier K, et al. *Oral Oncol.* 43(1):60-6 (2007).
- 3) Sahadevan K, et al. *J Pathol.* 213(1):82-90 (2007).
- 4) Sugiura K, et al. *Oncol Rep.* 2007 Mar;17(3):557-64 (2007).
- 5) Park TS, et al. *Cancer Genet Cytogenet.* 181(2):93-9 (2008).



* 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.

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com