

# FGFR4/D5S23, D5S721 FISH Probe Kit

## Introduction

The FGFR4/D5S23, D5S721 FISH Probe Kit is designed to detect the human *FGFR4* gene located on chromosome band 5q35.2 and the D5S23-D5S721 marker region on chromosome band 5p15.2. Abnormalities in *FGFR4* – also known as *CD334*, *JTK2* or *TKF* – have been observed in various cancer types such as prostate cancer, melanoma, hepatocellular carcinoma, lung cancer, breast cancer, gastric cancer, colorectal cancer, pancreatic cancer and others.

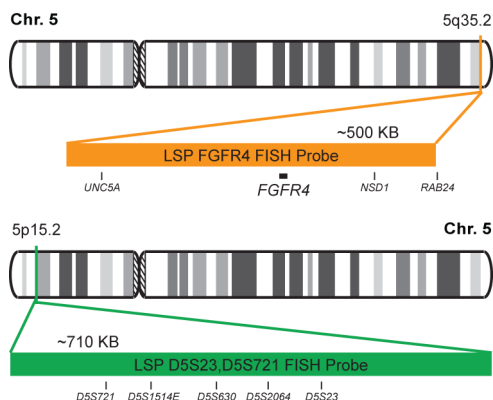
### Intended Use

To measure the copy number of the human *FGFR4* gene located on chromosome band 5q35.2.

Cont.	Color
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LSP FGFR4 FISH Probe LSP D5S23,D5S721 FISH Probe	CytoOrange CytoGreen
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## Probe Design



Not to Scale

LSP FGFR4 FISH Probe covers a chromosomal region which includes the entire *FGFR4* gene. LSP D5S23, D5S721 FISH Probe, covering a chromosomal region around D5S23 and D5S721 located at 5p15.2, is designed to serve as a control to determine the number of chromosome 5 copies per cell.

Cat. No.	Volume
CT-PAC132-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G	<u>Abnormal Patterns</u> Other Patterns

- 1) Partanen J, et al. *EMBO J.* 10(6):1347-54 (1991).
- 2) Okada A, et al. *Proc Natl Acad Sci U S A.* 92(7):2730-4 (1995).
- 3) Shah RN, et al. *Oncogene.* 21(54):8251-61 (2002).
- 4) Ruhe JE, et al. *Cancer Res.* 67(23):11368-76 (2007).
- 5) Xu W, et al. *Eur J Cancer.* 46(18):3332-8 (2010).



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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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