

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.

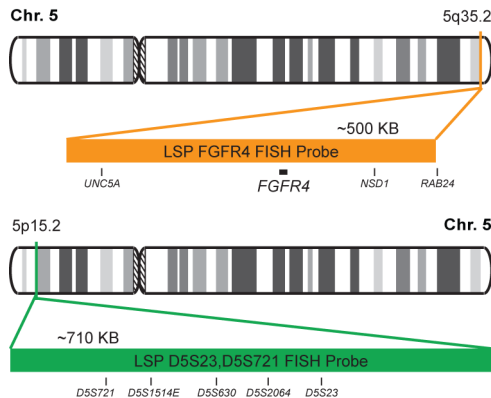
Intended Use

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



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.

Not to Scale

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

Normal Patterns	Abnormal Patterns
2O2G	Other Patterns

- Partanen J, et al. *EMBO J.* 10(6):1347-54 (1991).
- Okada A, et al. *Proc Natl Acad Sci U S A.* 92(7):2730-4 (1995).
- Shah RN, et al. *Oncogene.* 21(54):8251-61 (2002).
- Ruhe JE, et al. *Cancer Res.* 67(23):11368-76 (2007).
- 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.