

RACK1/D5S23, D5S721 FISH Probe Kit

Introduction

The RACK1/D5S23, D5S721 FISH Probe Kit is designed to detect the human *RACK1* gene, located on chromosomes band 5q35.3, and the D5S23-D5S721 STS marker region on chromosome band 5p15.2. Abnormal expression of the *RACK1* gene – also known as *H12.3*, *HLC-7*, *PIG21*, *GNB2L1* or *Gnb2-rs1* – has been observed in gastric, hepatocellular and other cancer types, and other malignancies.

Intended Use

To measure the copy number of the human *RACK1* gene located on chromosome band 5q35.3.

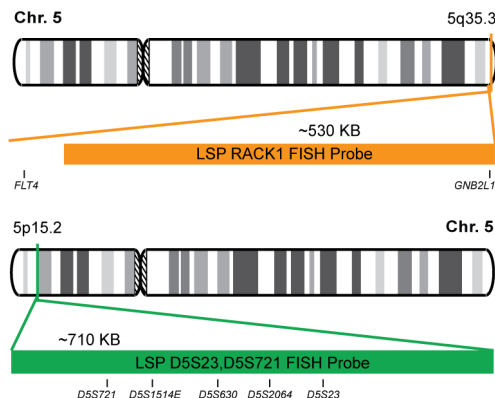
Cont.

Color

LSP RACK1 FISH Probe
LSP D5S23,D5S721 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP RACK1 FISH Probe covers a chromosomal region which includes the entire *RACK1* gene. LSP D5S23, D5S721 FISH Probe, covering a chromosomal region around the D5S23 and D5S721 STS markers located at 5p15.2, is designed to serve as a control to determine the number of chromosome 5 copies per cell. It also aids in distinguishing whole chromosome 5 losses from losses of chromosome arm 5q.

Cat. No.

Volume

CT-PAC290-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

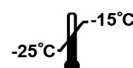
Other Patterns

- 1) Al-Reefy S, et al. *Oncogene*. 29(41):5651 (2010).
- 2) Nagashio R, et al. *Lung Cancer*. 69(1):54-9 (2010).
- 3) Cheng S, et al. *PLoS One*. 12(8):e0182696 (2017).
- 4) Duff D & Long A. *Cell Signal*. 35:250-255 (2017).
- 5) Zou YH, et al. *Pathol Oncol Res*. 24(1):101-107 (2018).

* 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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