

TMPRSS2 Break Apart FISH Probe Kit

Introduction

The TMPRSS2 Break Apart FISH Probe Kit is designed to detect rearrangements in the human TMPRSS2 gene located on chromosome band 21q22.3. 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 TMPRSS2 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the TMPRSS2 gene – also known as PP9284 or PRSS10 – have been observed in prostate cancer and other malignancies.

Intended Use

To detect rearrangements in the human *TMPRSS2* gene located on chromosome band 21q22.3.

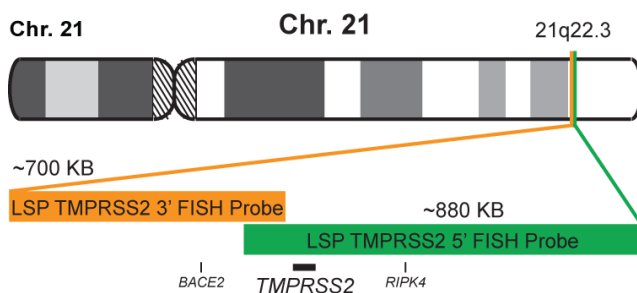
Cont.

Color

LSP TMPRSS2 5' FISH Probe
LSP TMPRSS2 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP TMPRSS2 5' FISH Probe covers the entire *TMPRSS2* gene, the 5' (start) portion of the gene and some adjacent genomic sequences; it also covers some sequences adjacent to the 3' portion of the gene. LSP TMPRSS2 3' FISH Probe covers sequences downstream of the 3' end of the gene. The two probes are flanking sequences across the *TMPRSS2* gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC154-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Paoloni-Giacobino A, et al. *Genomics*. 44(3):309-20 (1997).
2) Vaarala MH, et al. *Int J Cancer*. 94(5):705-10 (2001).
3) Vaarala MH, et al. *J Pathol*. 193(1):134-40 (2001).
4) Choi SY, et al. *Trends Mol Med*. 15(7):303-12 (2009).
5) Barwick BG, et al. *Br J Cancer*. 102(3):570-6 (2010).

* 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.