

# JAZF1 Break Apart FISH Probe Kit

## Introduction

The JAZF1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human JAZF1 gene located on chromosome band 7p15.2-p15.1. 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 JAZF1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the JAZF1 gene – also known as TIP27 or ZNF802 – have been observed in endometrial stromal sarcomas, prostate carcinoma, and other tumor types.

## Intended Use

To detect rearrangements in the human *JAZF1* gene located on chromosome band 7p15.2-p15.1.

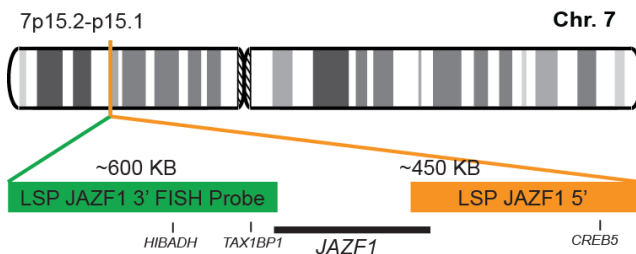
## Cont.

LSP JAZF1 5' FISH Probe  
LSP JAZF1 3' FISH Probe

## Color

CytoOrange  
CytoGreen

## Probe Design



LSP JAZF 5' FISH Probe covers the 5' (start) portion of the *JAZF* gene and some adjacent genomic sequences. LSP JAZF 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *JAZF* gene in which various breakpoints have been observed.

Not to Scale

## Cat. No.

CT-PAC320-10-OG

## Volume

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

2F\*

### Abnormal Patterns

Other Patterns

\*Overlapping orange and green signals can appear as yellow.

1) Koontz JI, et al. *Proc Natl Acad Sci U S A*. 98(11):6348-53 (2001).  
2) Nucci MR, et al. *Am J Surg Pathol*. 31(1):65-70 (2007).  
3) Oliva E, et al. *Am J Surg Pathol*. 31(8):1277-84 (2007).  
4) Panagopoulos I, et al. *Cancer Genet Cytogenet*. 185(2):74-7 (2008).  
5) Martin JE, et al. *Hum Mol Genet*. 22(19):4021-9 (2013).

\* 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.

