

# FOLR1 Break Apart FISH Probe Kit

## Introduction

The FOLR1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human FOLR1 gene located on chromosome band 11q13.4. 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 FOLR1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the FOLR1 gene – also known as FBP, FOLR, NCFTD or FRalpha – are associated with various types of cancers such as breast, ovarian, fallopian tube, non-small cell lung and other malignancies.

## Intended Use

To detect rearrangements in the human *FOLR1* gene mapping to chromosome band 11q13.4.

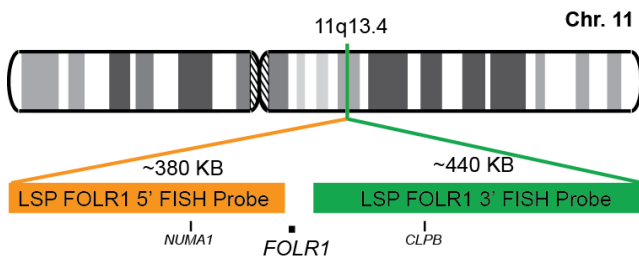
## Cont.

## Color

LSP FOLR1 5' FISH Probe  
LSP FOLR1 3' FISH Probe

CytoOrange  
CytoGreen

## Probe Design



LSP FOLR1 5' FISH Probe covers some sequences upstream of the 5' (start) portion of the *FOLR1* gene. LSP FOLR1 3' FISH Probe covers some sequences downstream (3' end) of the gene. The two probes are flanking sequences across the *FOLR1* gene in which variable breakpoints have been observed.

Not to Scale

## Cat. No.

## Volume

CT-PAC350-10-OG

10 Tests (100 µL)

## Signal Pattern Interpretation

### Normal Patterns

2F\*

### Abnormal Patterns

Other Patterns

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

1) Brunetti S, et al. Am J Med Genet A. 185(8):2526-2531 (2021).  
2) Steinfeld R, et al. Am J Hum Genet. 85(3):354-63 (2009).  
3) Iwakiri S, et al. Ann Surg Oncol. 15(3):889-99 (2008).  
4) Hartmann LC, et al. Int J Cancer. 121(5):938-42 (2007).  
5) Thomas A, et al. Lung Cancer. 80(1):15-8 (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.