

# NONO-TFE3 Fusion/Translocation FISH Probe Kit

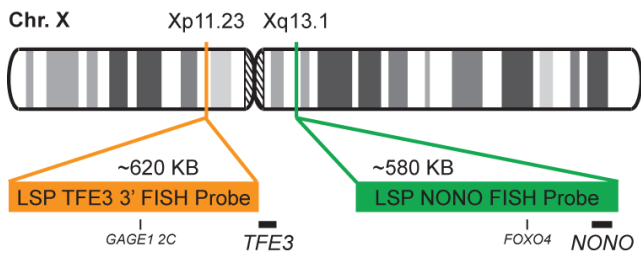
## Introduction

The NONO-TFE3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *NONO* and *TFE3* genes, located on chromosome bands Xq13.1 and Xp11.23, respectively. Rearrangements between the two genes, the *NONO* gene – also called *NMT55*, *NRB54*, *P54*, *P54NRB* or *PPP1R114* – and the *TFE3* gene – also known as *TFEA*, *RCCP2*, *RCCX1* or *bHLHe33*, have been observed in renal cell carcinoma subtypes and other tumor types.

Intended Use
To detect rearrangements involving the human <i>NONO</i> and <i>TFE3</i> genes located on chromosome bands Xq13.1 and Xp11.23, respectively.

Cont.	Color
LSP NONO FISH Probe LSP TFE3 3' FISH Probe	CytoGreen CytoOrange

## Probe Design



LSP NONO FISH Probe covers the entire *NONO* gene along with some upstream (5' end) sequences. LSP TFE3 3' FISH Probe covers genomic sequences adjacent to the 3' portion of the *TFE3* gene. The probe set is optimized to reveal translocations between the two gene regions.

Not to Scale

Cat. No.	Volume
CT-PAC074-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G*	<u>Abnormal Pattern</u> Other Patterns
*Overlapping orange and green signals can appear as yellow.	

1) Malouf GG, et al. *Ann Oncol.* 21(9):1834-8 (2010).  
 2) Aulmann S, et al. *Histopathology.* 50(7):881-6 (2007).  
 3) Rao Q, et al. *Am J Surg Pathol.* 37(6):804-15 (2013).  
 4) Dong B, et al. *Nucleic Acids Res.* 21(17):4085-92 (1993).  
 5) Clark J, et al. *Oncogene.* 15(18):2233-9 (1997).



\* 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.