

DDIT3 Break Apart FISH Probe Kit

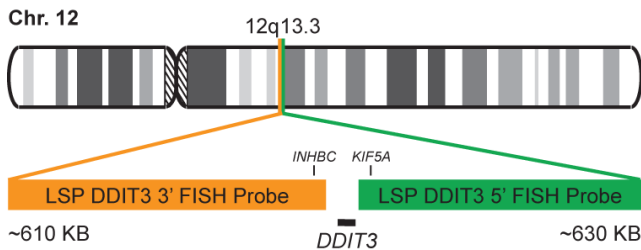
Introduction

The DDIT3 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *DDIT3* gene located on chromosome band 12q13.3. 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 *DDIT3* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *DDIT3* gene – also known as *CHOP*, *CEBPZ*, *CHOP10*, *CHOP-10*, *GADD153* – have been observed in myxoid liposarcoma and other malignancies.

Intended Use
To detect rearrangements in the human <i>DDIT3</i> gene located on chromosome band 12q13.3.

Cont.	Color
LSP DDIT3 5' FISH Probe LSP DDIT3 3' FISH Probe	CytoGreen CytoOrange

Probe Design



LSP DDIT3 5' FISH Probe covers some genomic sequences adjacent to the 5' end of the *DDIT3* gene. LSP DDIT3 3' FISH Probe covers some sequence downstream of the 3' end of the gene. The two probes are flanking sequences across the *DDIT3* gene in which various breakpoints have been observed.

Not to Scale

Cat. No.	Volume
CT-PAC057-10-GO	10 Tests (100 µL)

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

- 1) Panagopoulos I, et al. *Oncogene*. 12(3):489-94 (1996).
- 2) Panagopoulos I, et al. *Biochem Biophys Res Commun*. 279(3):838-45 (2000).
- 3) Pérez-Losada J, et al. *Oncogene*. 19(52):6015-22 (2000).
- 4) Pérez-Mancera PA, et al. *Oncogene*. 21(11):1679-84 (2002).
- 5) Rabbitts TH, et al. *Nat Genet*. 4(2):175-80 (1993).



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* 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.