CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

KAT6A Break Apart FISH Probe Kit

Introduction

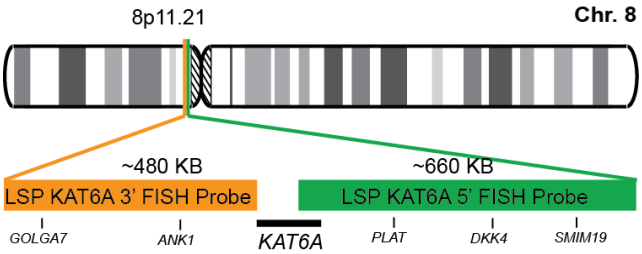
The KAT6A Break Apart FISH Probe Kit is designed to detect rearrangements in the human KAT6A gene mapping to chromosome band 8p11.21. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other KAT6A aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the KAT6A gene – also known as MOZ, MRD32, MYST3, MYST-3, ZNF220, RUNXBP2 or ZC2HC6A – have been observed in acute non-lymphocytic (AML) and monocytic leukemias, myelodysplastic syndrome and other cancer types.

Intended Use

To detect rearrangements in the human *KAT6A* gene mapping to chromosome band 8p11.21.

Cont.	Color
LSP KAT6A 5' FISH Probe	CytoGreen
LSP KAT6A 3' FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP KAT6A 5' FISH Probe covers the 5' (start) portion of the *KAT6A* gene and some adjacent genomic sequences. LSP KAT6A 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *KAT6A* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC339-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Brizard, A, et al. *Leuk. Res.* 12(8):693-7 (1988).
2) Borrow, J, et al. *Nat. Genet.* 14(1):33041 (1996).
3) Agular RC, et al. *Blood* 90(8):3130-5 (1997).
2) Panagopoulos, I, et al. *PLoS ONE* 9(5):e96570 (2014).
5) Barnet R, et al. Pediatr. *Blood Cancer* Aug;64(8) (2017).

-25°C -15°C CE IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA

* 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.