

TOP3A/RARA FISH Probe Kit

Introduction

The TOP3A/RARA FISH Probe Kit is designed to detect the human *TOP3A* gene located on chromosome band 17p11.2 and the human *RARA* gene region located on chromosome band 17q21.2 as a control to determine the number of chromosome 17 or chromosome 17 q-arm copies per cell. Deletions of the *TOP3A* gene – also known as *TOP3*, *PEOB5*, *ZGRF7* or *MGRISCE2* – region (Smith-Magenis Region) are found in Smith-Magenis Syndrome and other malignancies.

Intended Use

To measure the copy number of the human *TOP3A* gene located on chromosome band 17p11.2.

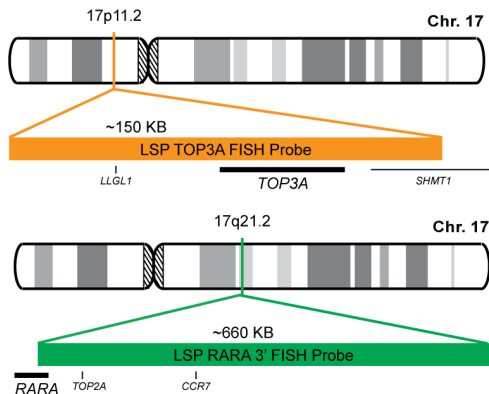
Cont.

Color

LSP TOP3A FISH Probe
LSP RARA 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP TOP3A FISH Probe covers a chromosomal region, which includes the entire *TOP3A* gene along with some upstream and downstream genomic sequences. LSP RARA 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene, designed to serve as a control to determine the number of chromosome 17 or chromosome 17 q-arm copies per cell.

Cat. No.

Volume

CT-PAC479-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G

Abnormal Patterns

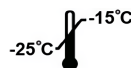
Other Patterns

- 1) Livet MO, et al. Arch Pediatr. 4(12):1231-7 (1997).
- 2) Gropman AL, et al. Curr Opin Neurol. 20(2):125-34 (2007).
- 3) Probst FJ, et al. Genomics 55(3):348-52 (1999).
- 4) Berger SI, et al. Hum Genet. 136(4):409-420 (2017).
- 5) Juyal RC, et al. Am J Hum Genet. 58(5):998-1007 (1996).

* 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.

DCN032

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