

TSC2/CCP16 FISH Probe Kit

Introduction

The TSC2/CCP16 FISH Probe Kit is designed to detect the human *TSC2* gene located on chromosome band 16p13.3, along with the number of chromosome 16 copies per cell. Abnormal expression of the *TSC2* gene – also known as *LAM*, *TSC4* or *PPP1R160* – has been observed in tuberous sclerosis, some kidney cancers and other conditions.

Intended Use

To measure the copy number of the human *TSC2* gene located on chromosome band 16p13.3.

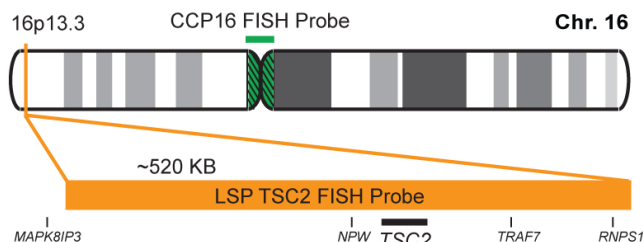
Cont.

LSP TSC2 FISH Probe
CCP16 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP TSC2 FISH Probe covers a chromosomal region which includes the entire *TSC2* gene. CCP16 FISH Probe, derived from chromosome 16-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 16 copies per cell.

Cat. No.

CT-PAC022-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 1) European Chr. 16 Tuberous Sclerosis Consortium. *Cell*. 75(7):1305-15 (1993).
- 2) Green AJ, et al. *Nat Genet*. 6(2):193-6 (1994).
- 3) Henry KW, et al. *J Biol Chem*. 273(32):20535-9 (1998).
- 4) van Sleightenhorst M, et al. *Hum Mol Genet*. 1998 Jun;7(6):1053-7 (1998).
- 5) Carsillo T, et al. *Proc Natl Acad Sci U S A*. 97(11):6085-90 (2000).



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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.

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