

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.

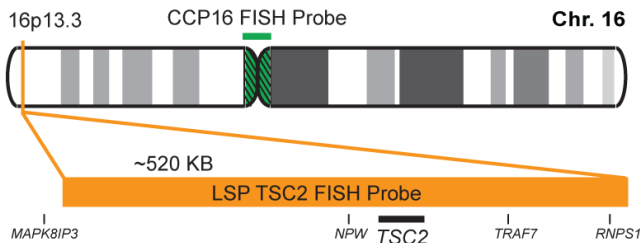
Intended Use

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

| Cont. | Color |
|-------|-------|
|-------|-------|

| | |
|---------------------|-------------------------|
| LSP TSC2 FISH Probe | CytoOrange CytoGreen |
| CCP16 FISH Probe | |

Probe Design



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.

Not to Scale

| Cat. No. | Volume |
|----------|--------|
|----------|--------|

| | |
|-----------------|-------------------|
| CT-PAC022-10-OG | 10 Tests (100 µL) |
|-----------------|-------------------|

Signal Pattern Interpretation

| Normal Pattern | Abnormal Pattern |
|----------------|------------------|
|----------------|------------------|

| | |
|---------|----------------|
| 20 + 2G | 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 Slechtenhorst 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).



CytoTest Inc.
9430 Key West Ave., Suite 210
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.