

## UBE3A/PCSK6 FISH Probe Kit

### Introduction

The UBE3A/PCSK6 FISH Probe Kit is designed to detect the human *UBE3A* gene located on chromosome band 15q11.2, along with the number and integrity of chromosome 15 q-arm copies per cell. Abnormalities of this gene – also known as *AS*, *ANCR*, *PIX1*, *E6-AP*, *HPVE6A*, *EPVE6AP* – have been observed in cervical cancer as well as in breast and prostate cancer. Deletion or mutations of this gene are found in Prader-Willi Syndrome and Angelman Syndrome, severe neurological disorders.

### Intended Use

To measure the copy number of the human *UBE3A* gene located on chromosome band 15q11.2.

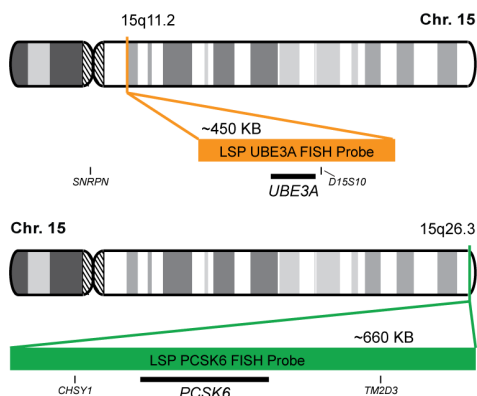
### Cont.

### Color

LSP UBE3A FISH Probe  
LSP PCSK6 FISH Probe

CytoOrange  
CytoGreen

### Probe Design



LSP UBE3A FISH Probe covers a chromosomal region which includes the entire *UBE3A* gene along with some upstream and downstream genomic sequences. LSP PCSK6 FISH Probe covers a chromosomal region, which includes the entire *PCSK6* gene, and it is designed to serve as a control to determine the number and integrity of chromosome 15 q-arm copies per cell.

### Cat. No.

### Volume

CT-PAC481-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

1. Beer-Romero P, et al. *Oncogene* 14(5):595-602 (1997).
2. Hengstermann A, et al. *J. Virol.* 79(14):9296-300 (2005).
3. Kishino T, et al. *Nat. Genet.* 15(1):70-3 (1997).
4. Mantovani F & Banks L. *Oncogene* 20(54):7874-87 (2001).
5. Nawaz Z, et al. *Mol. Cell Biol.* 19(2):1182-9 (1999).

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