

CUX1/VIPR2 FISH Probe Kit

Introduction

The CUX1/VIPR2 FISH Probe Kit is designed to detect the human *CUX1* gene located on chromosome band 7q22.1 and the *VIPR2* gene on chromosome band 7q36.3. Expression of the *CUX1* gene – also known as *CDP*, *CUX*, *p75*, *CASP*, *CDP1*, *COY1*, *Clox*, *p100*, *p110*, *p200*, *CUTL1*, *GOLIM6*, *CDP/Cut*, *Cux/CDP* or *Nbla10317* – has been observed elevated in pancreatic, breast and other cancers. Duplications and other anomalies in the region of the *VIPR2* gene – also called *VPAC2*, *VPAC2R*, *VIP-R-2*, *VPCAP2R*, *PACAP-R3*, *DUP7q36.3*, *PACAP-R-3*, *C16DUPq36.3* – are associated with schizophrenia, prenatal malformations and some intestinal malignancies.

Intended Use

To measure the copy number of the human *CUX1* and *VIPR2* genes located on chromosome bands 7q22.1 and 7q36.3, respectively.

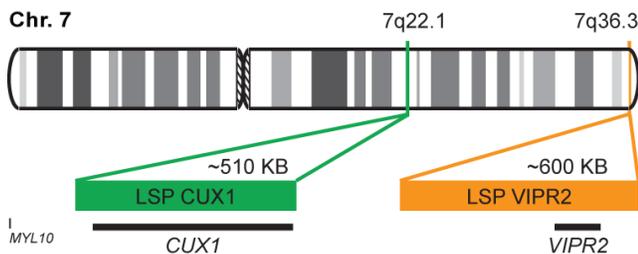
Cont.

LSP CUX1 FISH Probe
LSP VIPR2 FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



LSP CUX1 FISH Probe covers a chromosomal region which includes the entire *CUX1* gene. LSP VIPR2 FISH Probe covers a chromosomal region which includes the entire *VIPR2* gene.

Not to Scale

Cat. No.

CT-PAC162-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 1) De Vos J, et al. *Oncogene*. 21(44):6848-57 (2002).
- 2) Goulet B, et al. *Cancer Res*. 62(22):6625-33 (2002).
- 3) Tsutsumi S, et al. *Cancer Res*. 63(16):4882-7 (2003).
- 4) Thoennissen NH, et al. *Am J Hematol*. 86(8):703-5 (2011).
- 5) Moody TW, et al. *Ann N Y Acad Sci*. 921:26-32 (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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