

NKX3-1/CCP8 FISH Probe Kit

Introduction

The NKX3-1/CCP8 FISH Probe Kit is designed to detect the human *NKX3-1* gene located on chromosome band 8p21.2, along with the number of chromosome 8 copies per cell. Amplification and abnormal expression of the *NKX3-1* gene – also known as *NKX3*, *BAPX2*, *NKX3A* or *NKX3.1* – has been observed in prostate cancer.

Intended Use

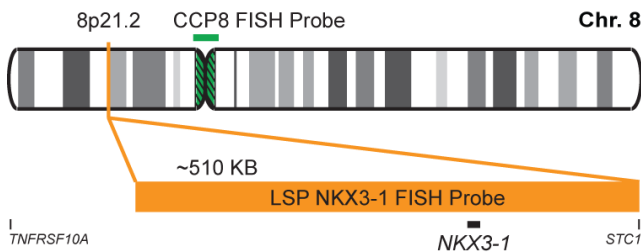
To measure the copy number of the human *NKX3-1* gene located on chromosome band 8p21.2.

Cont.	Color
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LSP NKX3-1 FISH Probe
CCP8 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP NKX3-1 FISH Probe covers a chromosomal region which includes the entire *NKX3-1* gene. CCP8 FISH Probe, derived from chromosome 8-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 8 copies per cell.

Not to Scale

Cat. No.	Volume
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CT-PAC102-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 1) Gelmann EP, et al. *Prostate*. 55(2):111-7 (2003).
- 2) Asatiani E, et al. *Cancer Res*. 65(4):1164-73 (2005).
- 3) Zheng SL, et al. *Cancer Res*. 66(1):69-77 (2006).
- 4) Mogal AP, et al. *J Biol Chem*. 282(35):25790-800 (2007).
- 5) Abate-Shen C, et al. *Differentiation*. 76(6):717-27 (2008).



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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.