

CKS1B/CCP1 FISH Probe Kit

Introduction

The CKS1B/CCP1 FISH Probe Kit is designed to detect the human *CKS1B* gene located on chromosome band 1q21.3 along with the number of chromosome 1 copies per cell. Abnormal expression of the *CKS1B* gene – also named *CKS1*, *ckshs1*, *PNAS-16* or *PNAS-18* – has been observed in multiple cancer types, including breast cancer, lymphomas, myeloma, colon, prostate, lung, kidney and numerous other tumor types.

Intended Use

To measure the copy number of the human *CKS1B* gene located on chromosome band 1q21.3.

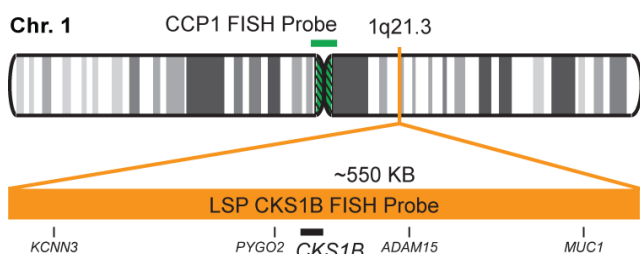
Cont.

LSP CKS1B FISH Probe
CCP1 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP CKS1B FISH Probe covers a chromosomal region which includes the entire *CKS1B* gene. CCP1 FISH Probe, derived from chromosome 1-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 1 copies per cell.

Not to Scale

Cat. No.

CT-PAC361-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- Demetrick DJ, et al. *Cytogenet Cell Genet.* 73(3):250-4 (1996).
- Slotky M, et al. *Breast Cancer Res.* 7(5):R737-44 (2005).
- Kitajima S, et al. *Am J Pathol.* 165(6):2147-55 (2004).
- Nagler RM, et al. *Cancer Invest.* 27(5):512-20 (2009).
- Wang XC, et al. *Biochem Biophys Res Commun.* 379(4):1107-13 (2009).



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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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