

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.

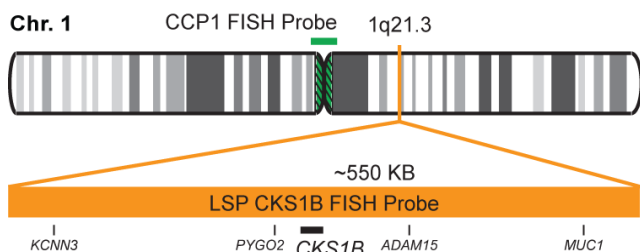
Cont.

Color

LSP CKS1B FISH Probe
CCP1 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

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.

Cat. No.

Volume

CT-PAC361-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

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).

* 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