

CDKN2C/CKS1B FISH Probe Kit

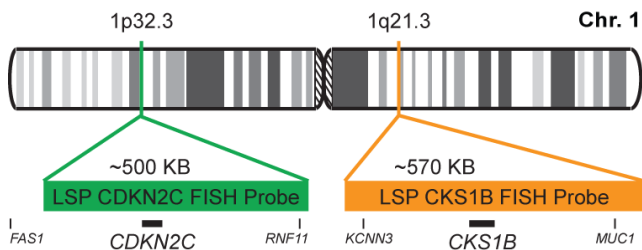
Introduction

The CDKN2C/CKS1B FISH Probe Kit is designed to detect rearrangements involving the human *CDKN2C* and *CKS1B* genes located on chromosome bands 1p32.3 and 1q21.3, respectively. Abnormalities in *CDKN2C* – also known as *p18*, *INK4C* or *p18-INK4C* – occur in multiple myeloma and several other malignancies. 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 <i>CDKN2C</i> and <i>CKS1B</i> genes located on chromosome bands 1p32.3 and 1q21.3, respectively.

Cont.	Color
LSP CDKN2C FISH Probe LSP CKS1B FISH Probe	CytoGreen CytoOrange

Probe Design



LSP CDKN2C FISH Probe covers a chromosomal region which includes the entire *CDKN2C* gene. LSP CKS1B FISH Probe covers a chromosomal region including the entire *CKS1B* gene.

Not to Scale

Cat. No.	Volume
CT-PAC126-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
2O + 2G	Other Patterns

- 1) Leone PE, et al. *Clin Cancer Res.* 14(19):6033-41 (2008).
- 2) Boyd KD, et al. *Clin Cancer Res.* 17(24):7776-84 (2011).
- 3) Kitajima S, et al. *Am J Pathol.* 165(6):2147-55 (2004).
- 4) Nagler RM, et al. *Cancer Invest.* 27(5):512-20 (2009).
- 5) 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.