

# CDKN2A/CCP9 FISH Probe Kit

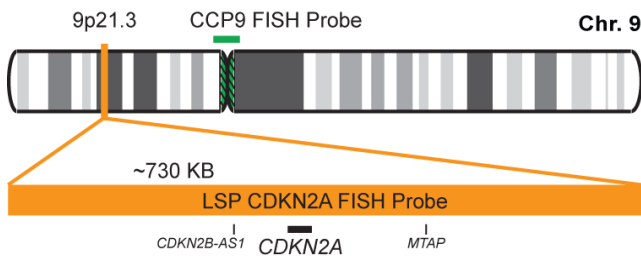
## Introduction

The CDKN2A/CCP9 FISH Probe Kit is designed to detect the human *CDKN2A* gene located on chromosome band 9p21.3, along with the number of chromosome 9 copies per cell. Abnormalities in *CDKN2A* – also known as *ARF*, *MLM*, *P14*, *P16*, *P19*, *CMM2*, *INK4*, *MTS1*, *TP16*, *CDK4I*, *CDKN2*, *INK4A*, *MTS-1*, *P14ARF*, *P19ARF*, *P16INK4*, *P16INK4A* or *P16-INK4A* – occur in gliomas and meningiomas as well as numerous other familial and sporadic tumor types.

Intended Use
To measure the copy number of the human <i>CDKN2A</i> gene located on chromosome band 9p21.3.

Cont.	Color
LSP CDKN2A FISH Probe CCP9 FISH Probe	CytoOrange CytoGreen

## Probe Design



LSP CDKN2A FISH Probe covers a chromosomal region which includes the entire *CDKN2A* gene. CCP9 FISH Probe, derived from chromosome 9-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 9 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC025-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
20 + 2G	Other Patterns

- 1) Kamb A, et al. *Science*. 264(5157):436-40 (1994).
- 2) Foulkes WD, et al. *Mol Med*. 3(1):5-20 (1997).
- 3) Krimpenfort P, et al. *Nature*. 413(6851):83-6 (2001).
- 4) Sharpless E & Chin L. *Oncogene*. 22(20):3092-8 (2003).
- 5) Gonzalez S, et al. *Nature*. 440(7084):702-6 (2006).



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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.