

PNOC/CCP8 FISH Probe Kit

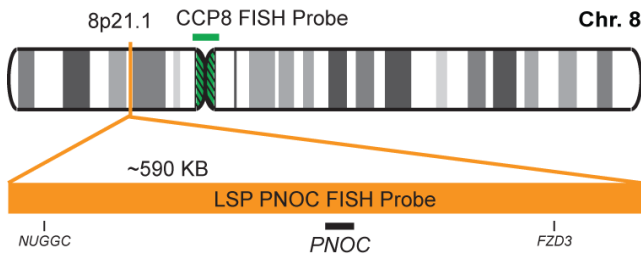
Introduction

The PNOC/CCP8 FISH Probe Kit is designed to detect the human *PNOC* gene located on chromosome band 8p21.1, along with the number of chromosome 8 copies per cell. Rearrangements and abnormal expression of the *PNOC* gene – also called *OFQ*, *N/OFQ*, *PPNOC* or *ppN/OFQ* – have been associated with various heritable anatomical and developmental abnormalities.

Intended Use
To measure the copy number of the human <i>PNOC</i> gene located on chromosome band 8p21.1.

Cont.	Color
LSP PNOC FISH Probe CCP8 FISH Probe	CytoOrange CytoGreen

Probe Design



LSP PNOC FISH Probe covers a chromosomal region which includes the entire *PNOC* 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
CT-PAC145-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 202G	<u>Abnormal Patterns</u> Other Patterns

- 1) Donato R. *Int J Biochem Cell Biol.* 33(7):637-68 (2001).
- 2) Svenningsson P, et al. *Science.* 311(5757):77-80 (2006).
- 3) Verma R, et al. *Am J Med Genet B Neuropsychiatr Genet.* 144B(8):1079-82 (2007).
- 4) Wachman EM, et al. *Drug Alcohol Depend.* pii: S0376-8716(15)00363-4 (2015).
- 5) Blaveri E, et al. *Eur J Hum Genet.* 9(6):469-72 (2001).



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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.