

S100A10/PNOC FISH Probe Kit

Introduction

The S100A10/PNOC FISH Probe Kit is designed to detect the human S100A10 gene, located on chromosome band 1q21.3, and the PNOC gene on chromosome band 8p21.1. The S100A10 gene – also called 42C, P11, p10, GP11, ANX2L, CAL1L, CLP11, Ca[1] or ANX2LG – has been shown to be over-expressed in thyroid, gastric and renal cancers and some lymphomas. It may also play a role in inherited depressive disorders. Mutations 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 *S100A10* and *PNOC* genes located on chromosome bands 1q21.3 and 8p21.1, respectively.

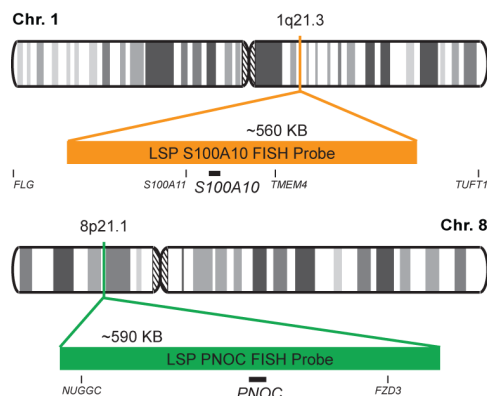
Cont.

Color

LSP S100A10 FISH Probe
LSP PNOC FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP S100A10 FISH Probe covers a chromosomal region which includes the entire *S100A10* gene. LSP PNOC FISH Probe covers a chromosomal region which includes the entire *PNOC* gene.

Cat. No.

Volume

CT-PAC160-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

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).

* 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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