

SMAD6/CCP15 FISH Probe Kit

Introduction

The SMAD6/CCP15 FISH Probe Kit is designed to detect the human SMAD6 gene located on chromosome bands 15q22.31, along with the number of chromosome 15 copies per cell. Abnormalities in SMAD6 – also known as MADH7, MADH6, HsT17432, or AOV22 – are associated with cardiac valve defects, developmental deficiencies, lung neoplasms and other malignancies.

Intended Use

To measure the copy number of the human *SMAD6* gene located on chromosome band 15q22.31.

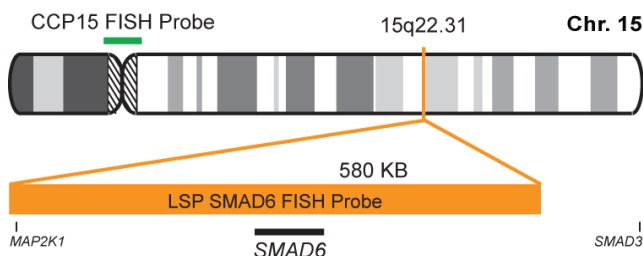
Cont.

Color

LSP SMAD6 FISH Probe
CCP15 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP SMAD6 FISH Probe covers a chromosomal region which includes the entire *SMAD6* gene. CCP15 FISH Probe, derived from chromosome 15-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 15 copies per cell.

Not to Scale

Cat. No.

Volume

CT-PAC156-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Janssen MJ, et al. *PLoS One*. 7(11):e50324 (2012).
- 2) Casper M, et al. *Scand J Gastroenterol*. 48(3):344-51 (2013).
- 3) Fedeles SV, et al. *J Clin Invest*. doi: 10.1172/JCI78863 (2015).
- 4) Jeon HS, et al. *Cancer Res*. 68(23):9686-92 (2008).
- 5) Osawa H, et al. *Anticancer Res*. 24(6):3703-9 (2004)

* 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.

DCN032

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