

SEC63/SMAD6 FISH Probe Kit

Introduction

The SEC63/SMAD6 FISH Probe Kit is designed to detect the human *SEC63* gene located on chromosome band 6q21, and the *SMAD6* gene on chromosome band 15q22.31. Abnormal expression of the *SEC63* gene – also known as *ERdj2*, *SEC63L*, *DNAJC23* or *PRO2507* – has been observed in lymphoid malignancies such as chronic lymphocytic leukemia (CLL) and other cancers. Abnormalities in *SMAD6* – also known as *AOVD2*, *MADH6*, *MADH7* or *HsT17432* – are associated with cardiac valve defects and developmental deficiencies. *SMAD6* expression has been reported to promote cell survival in lung cancer and other tumor types.

Intended Use

To measure the copy number of the human *SEC63* and *SMAD6* genes located on chromosome bands 6q21 and 15q22.31, respectively.

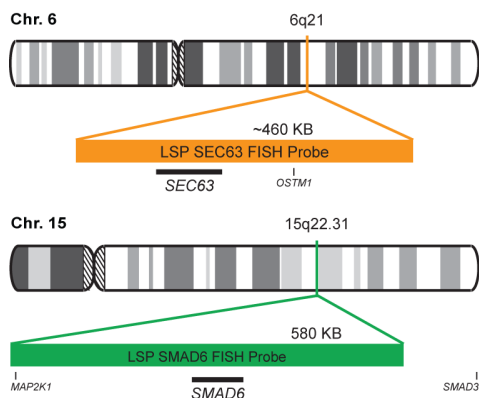
Cont.

LSP SEC63 FISH Probe
LSP SMAD6 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP SEC63 FISH Probe covers a chromosomal region which includes the entire *SEC63* gene. LSP SMAD6 FISH Probe covers a chromosomal region which includes the entire *SMAD6* gene.

Cat. No.

CT-PAC155-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G

Abnormal Pattern

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).



CytoTest Inc.
9430 Key West Ave., Suite 210
Rockville, MD 20850, USA

* 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.

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com