CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

SEC63/SMAD6 FISH Probe Kit

Introduction

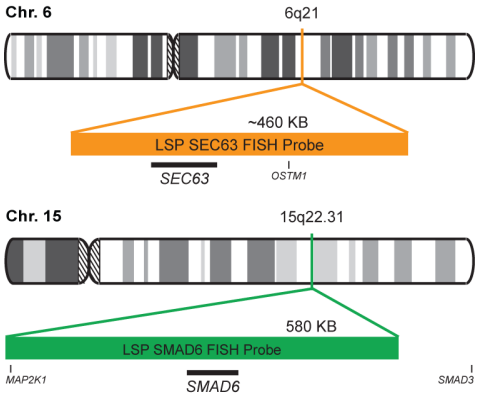
The SEC63/SMAD6 FISH Probe Kit is designed to detect the human SEC63 gene located on chromosome band 6q21, and the SMAD6 gene on chromosome band 15q22.31. Abnormal expression of the SEC63 gene – also known as ERdj2, SEC63L, DNAJC23 or PRO2507 – has been observed in lymphoid malignancies such as chronic lympocytic 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.	Color
LSP SEC63 FISH Probe	CytoOrange
LSP SMAD6 FISH Probe	CytoGreen

Probe Design



Not to Scale

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.	Volume
CT-PAC155-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G	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)

-25°C -15°C IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
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.