

LSAMP/CCP3 FISH Probe Kit

Introduction

The LSAMP/CCP3 FISH Probe Kit is designed to detect the human *LSAMP* gene located on chromosome band 3q13.31, along with the number of chromosome 3 copies per cell. Microdeletions and polymorphisms of the *LSAMP* genomic region have been reported during analyses of some rare congenital neuropsychiatric and behavioral disorders. Due to localized chromosomal aberrations identified in osteosarcoma cell lines, *LSAMP* is suspected to be a tumor suppressor gene in osteosarcoma. A novel recurrent deletion of the LSAMP locus has recently been described in African American men and found to be associated with aggressive disease progression.

Intended Use

To measure the copy number of the human *LSAMP* gene located on chromosome band 3q13.31.

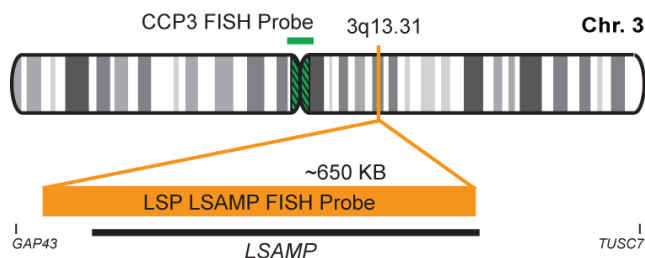
Cont.

LSP LSAMP FISH Probe
CCP3 FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP LSAMP FISH Probe covers a chromosomal region which includes the entire *LSAMP* gene. CCP3 FISH Probe, derived from chromosome 3-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 3 copies per cell.

Cat. No.

CT-PAC104-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

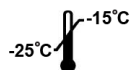
Normal Pattern

2O + 2G

Abnormal Pattern

Other Patterns

- 1) Catania EH, et al. *Behav Brain Res.* 188(2):380-90 (2008).
- 2) Gimelli S, et al. *Mol Cytogenet.* 6(1):52 (2013).
- 3) Vuillaume ML, et al. *Mol Genet Metab.* 110(1-2):90-7 (2013).
- 4) Yen CC, et al. *Int J Oncol.* 35(4):775-88 (2009).
- 5) Petrovics G, et al. *EBioMedicine.* 2(12):1957-64 (2015).



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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.

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