

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.

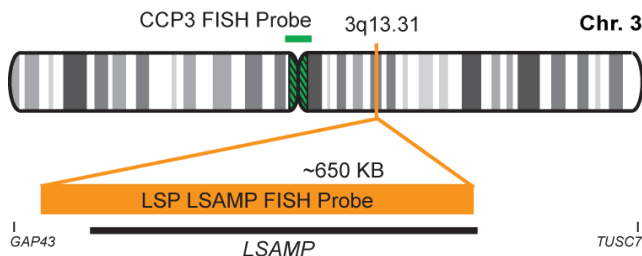
Cont.

Color

LSP LSAMP FISH Probe
CCP3 FISH Probe

CytoOrange
CytoGreen

Probe Design



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.

Not to Scale

Cat. No.

Volume

CT-PAC104-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

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).

* 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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