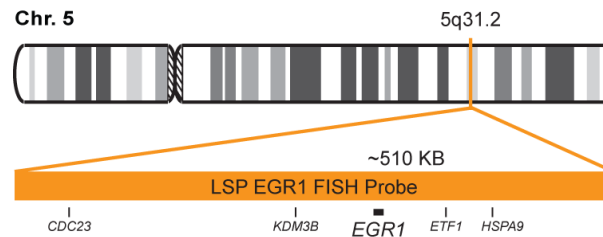


**LSP EGR1 FISH Probe** Cat No CT-LSP052

### Locus Specific Probe for *EGR1* Gene

The EGR1 FISH Probe is designed to detect the human *EGR1* gene located on chromosome band 5q31.2. *EGR1* is also known as *ERBB*, *HER1*, *mENA*, *ERBB1*, *PIG61* or *NISBD2*.



The EGR1 FISH probe is labeled with CytoOrange. CytoOrange is a fluorophore with an excitation peak at 551nm and emission peak at 575nm, giving it an orange fluorescent signal with the appropriate filters.

The EGR1 FISH probe hybridizes to chromosome 5 in both metaphase and interphase cells. After hybridizing with normal human peripheral blood lymphocyte samples, two distinct orange fluorescent spots are observed in the interphase nuclei, each spot corresponding to the 5q31.2 region on the chromosome 5. In metaphase cells, a "doublet" or "split signal" may appear on chromosomal region 5q31.2. Each signal within the doublet represents one of the two sister chromatids present in the replicated chromosome 5.

\* CytoTest shall not be responsible for patent infringement or any other violation that may occur with the use of this product.

*Analyte Specific Reagent. Analytical and performance characteristics are not established.*

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