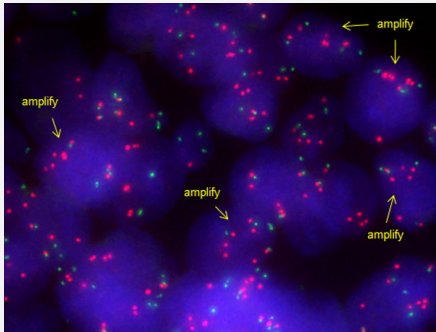


ECT2/CEN3q FISH Probe

Catalog # FG0091

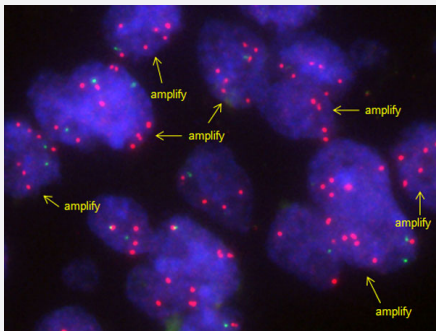
Size 200 uL, 100 uL

Applications



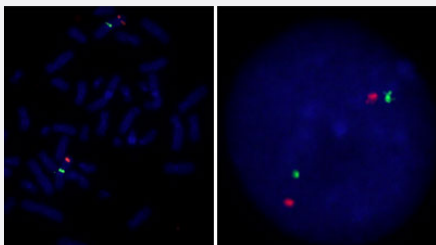
Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human ovary cancer (FFPE) stained with ECT2/CEN3q FISH Probe. Human ovary cancer showed ECT2 gene amplification.



Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human lung adenocarcinoma (FFPE) stained with ECT2/CEN3q FISH Probe. Human lung adenocarcinoma showed ECT2 gene amplification.



Hybridization position of the probes on the chromosome:

Hybridization position of the probes on the chromosome:

□

Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Probe 1	Name: ECT2 Size: Approximately 300kb Fluorophore: TexRed Location: 3q26.1-26.2
Probe 2	Name: CEN3q Size: Approximately 500kb Fluorophore: FITC Location: 3q12.1
Probe Gap	The gap between two probes is approximately 76480 kb.
Origin	Human
Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The left image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Product	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome: Hybridization position of the probes on the chromosome:

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human ovary cancer (FFPE) stained with ECT2/CEN3q FISH Probe. Human ovary cancer showed ECT2 gene amplification.

[Protocol Download](#)

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human lung adenocarcinoma (FFPE) stained with ECT2/CEN3q FISH Probe. Human lung adenocarcinoma showed ECT2 gene amplification.

[Protocol Download](#)

Gene Info — ECT2

Entrez GeneID	1894
Gene Name	ECT2
Gene Alias	FLJ10461, MGC138291
Gene Description	epithelial cell transforming sequence 2 oncogene
Omim ID	600586
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a transforming protein that is related to Rho-specific exchange factors and yeast cell cycle regulators. The expression of this gene is elevated with the onset of DNA synthesis and remains elevated during G2 and M phases. In situ hybridization analysis showed that expression is at a high level in cells undergoing mitosis in regenerating liver. Thus, this protein is expressed in a cell cycle-dependent manner during liver regeneration, and is thought to have an important role in the regulation of cytokinesis. [provided by RefSeq]
Other Designations	epithelial cell transforming sequence 2 oncogene protein

Disease

- [Genetic Predisposition to Disease](#)

- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)