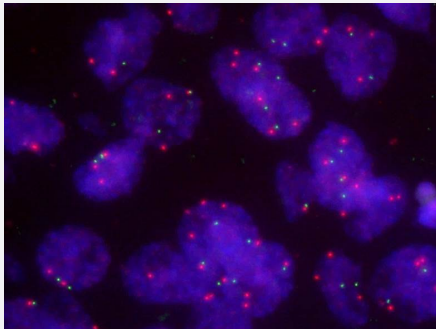


# PLS3/CENXp FISH Probe

Catalog # FG0164

Size 200 uL

## Applications



### DNA Hybridization

Human Lung adenocarcinoma cells stained with PLS3/CENXp FISH Probe shows the PLS3 copy number gain.

### 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.

### Probe 1

**Name:** PLS3  
**Size:** Approximately 170 kb  
**Fluorophore:** Texas Red  
**Location:** Xq23

### Probe 2

**Name:** CENXp  
**Size:** Approximately 400 kb  
**Fluorophore:** FITC  
**Location:** Xp11.22

Probe Gap	The gap between two probes is approximately 5,790 kb
Origin	Human
Source	Genomic DNA
Reactivity	Human
Regulation Status	For research use only (RUO)
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

### • DNA Hybridization

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## Gene Info — PLS3

Entrez GeneID	<a href="#">5358</a>
Gene Name	PLS3
Gene Alias	T-plastin
Gene Description	plastin 3 (T isoform)
Omim ID	<a href="#">300131</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). The C-terminal 570 amino acids of the T-plastin and L-plastin proteins are 83% identical. It contains a potential calcium-binding site near the N terminus. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]</p>
Other Designations	T isoform T plastin plastin 3