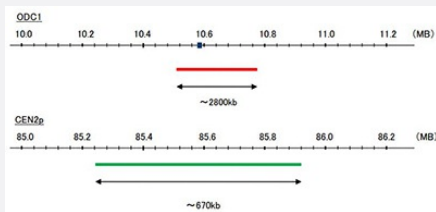
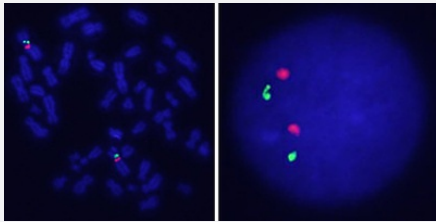


ODC1/CEN2p FISH Probe

Catalog # FG0266 Size 100 uL

Applications



Specification

Product Description

Labeled FISH probes for identification of gene translocation using Fluorescent In Situ Hybridization Technique. ([Technology](#)).

Probe 1

Name: ODC1
Size: Approximately 280kb
Fluorophore: Texas Red
Location: 2p25.1

Probe 2

Name: CEN2p
Size: Approximately 670kb
Fluorophore: FITC
Location: 2p11.2

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.
Regulatory Status	For research use only (RUO)
Supplied Product	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store the kit at 4°C.
Note	

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

Gene Info — ODC1

Entrez GeneID	4953
Gene Name	ODC1
Gene Alias	ODC
Gene Description	ornithine decarboxylase 1
Omim ID	114500 165640
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyze s ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. [provided by RefSeq
Other Designations	-

Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasm Recurrence](#)
- [Precancerous Conditions](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)