

ODC1 FISH Probe

Catalog # FA0061 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
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)
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

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](#)