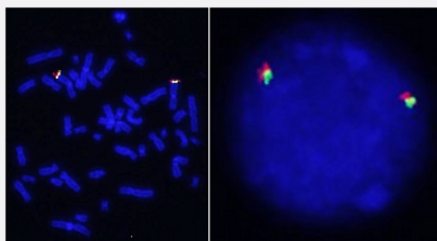


# TP63 Split FISH Probe

Catalog # FS0080

Size 100 uL, 200 uL

## Applications



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

## Specification

|                            |                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. ( <a href="#">Technology</a> ). |
| <b>Probe 1</b>             | <b>Name:</b> TP63<br><b>Size:</b> Approximately 410kb<br><b>Fluorophore:</b> Texas Red<br><b>Location:</b> 3q28                         |
| <b>Probe 2</b>             | <b>Name:</b> TP63<br><b>Size:</b> Approximately 620kb<br><b>Fluorophore:</b> FITC<br><b>Location:</b> 3q28                              |
| <b>Origin</b>              | Human                                                                                                                                   |

|                         |                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Source                  | Genomic DNA                                                                                                                                                                                                                   |
| Reactivity              | Human                                                                                                                                                                                                                         |
| Notice                  | We <b>strongly recommend</b> the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: <a href="#">KA2375</a> or <a href="#">KA2691</a> ) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections. |
| Regulatory 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.<br>Hybridization position of the probes on the chromosome.                                                                                                            |

## Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

## Gene Info — TP63

|                  |                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID    | <a href="#">8626</a>                                                                                                                                             |
| Gene Name        | TP63                                                                                                                                                             |
| Gene Alias       | AIS, B(p51A), B(p51B), EEC3, KET, LMS, NBP, OFC8, RHS, SHFM4, TP53CP, TP53L, TP73L, p40, p51, p53CP, p63, p73H, p73L                                             |
| Gene Description | tumor protein p63                                                                                                                                                |
| Omim ID          | <a href="#">103285</a> <a href="#">106260</a> <a href="#">129400</a> <a href="#">603273</a> <a href="#">603543</a> <a href="#">604292</a> <a href="#">605289</a> |
| Gene Ontology    | <a href="#">Hyperlink</a>                                                                                                                                        |

**Gene Summary**

This gene encodes a member of the p53 family of transcription factors. An animal model, p63  $-/-$  mice, has been useful in defining the role this protein plays in the development and maintenance of stratified epithelial tissues. p63  $-/-$  mice have several developmental defects which include the lack of limbs and other tissues, such as teeth and mammary glands, which develop as a result of interactions between mesenchyme and epithelium. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrima-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. Both alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different proteins. Many transcripts encoding different proteins have been reported but the biological validity and the full-length nature of these variants have not been determined. [provided by RefSeq]

**Other Designations**

amplified in squamous cell carcinoma|chronic ulcerative stomatitis protein|keratinocyte transcription factor|transformation-related protein 63|tumor protein p53-competing protein|tumor protein p53-like|tumor protein p73-like

**Disease**

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition Disorders](#)
- [Ectodermal Dysplasia](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Pulmonary Disease](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)