



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## RET Split FISH Probe

Catalog # : FS0017

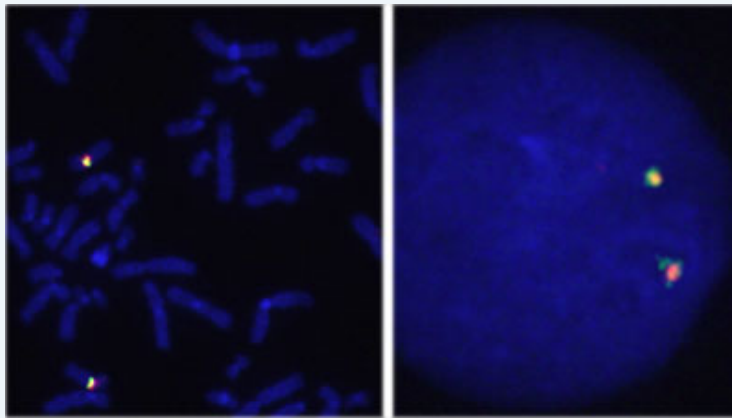
規格 : [ 200 uL ]

[List All](#)

### Specification

**Product Description:** Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. ([Technology](#))

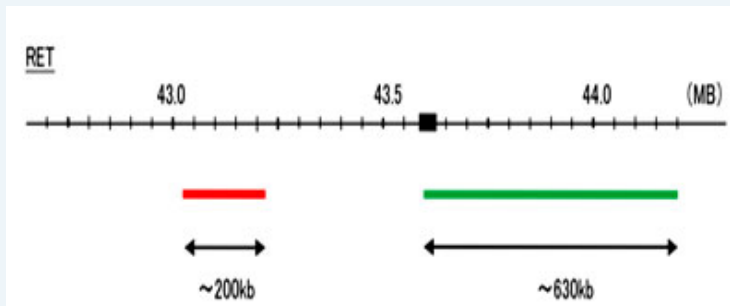
**Quality Control Testing:** Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The left image is chromosomes at metaphase, and the right image is an interphase nucleus.



**Supplied Product:** DAPI Counterstain (1500 ng/mL ) 250 uL

**Storage Instruction:** Store at 4°C in the dark.

**Note:** Hybridization position of the probes on the chromosome:



**Probe 1:** RET(Texas Red)  
**Size:** Approximately 200kb  
**Fluorophore:** Texas Red  
**Location:** 10q11.2

**Probe 2:** RET(FITC)  
**Size:** Approximately 630kb  
**Fluorophore:** FITC  
**Location:** 10q11.2

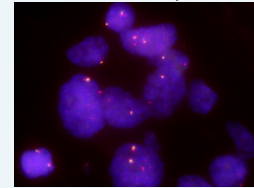
**Probe Gap:** The gap between two probes is approximately 750 kb.

**Origin:** Human

### Application Image

Fluorescent In Situ Hybridization (Cell)

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



[enlarge](#)

**Source:** Genomic DNA

**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.

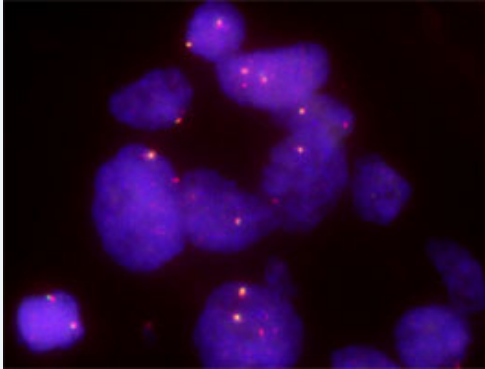
**Regulation Status:** For research use only (RUO)


## Applications

### Fluorescent In Situ Hybridization (Cell)

 [Protocol Download](#)

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



 [enlarge this image](#)

Human lung, adenocarcinoma (FFPE) stained with RET Split Probe. Human lung, adenocarcinoma showed no RET gene split.

 [Protocol Download](#)

## Gene Information

**Entrez GeneID:** [5979](#)

**Gene Name:** RET

**Gene Alias:** CDHF12,HSCR1,MEN2A,MEN2B,MTC1,PTC,RET-ELE1,RET51

**Gene Description:** ret proto-oncogene

**Omim ID:** [142623](#), [155240](#), [162300](#), [164761](#), [171300](#), [171400](#), [209880](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** This gene, a member of the cadherin superfamily, encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This gene plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in this gene are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma. Two transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their biological validity has not been confirmed. [provided by RefSeq]

**Other Designations:** RET transforming sequence,cadherin family member 12,hydroxyaryl-protein kinase,oncogene RET,receptor tyrosine kinase,ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease)

## Gene Pathway

[Endocytosis Pathways in cancer](#) [Thyroid cancer](#)

#### **Related Disease**

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[Adenocarcinoma](#) [Adenocarcinoma, Follicular](#) [Adenocarcinoma, Papillary](#) [Adenoma](#)  
[Adrenal Gland Neoplasms](#) [Alzheimer Disease](#) [Atherosclerosis](#) [Atherosclerosis](#) [Carcinoma](#)  
[Carcinoma, Medullary](#) [Carcinoma, Papillary](#) [Carcinoma, Papillary, Follicular](#) [Cleft Lip](#)  
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