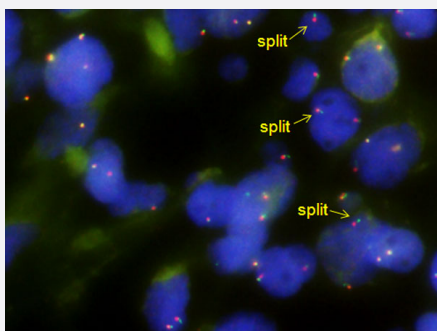


ROS1 Split FISH Probe

Catalog # FS0022

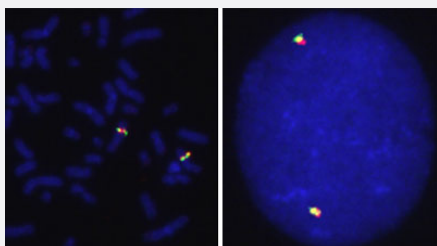
Size 200 uL, 100 uL

Applications



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

Human lung squamous cell carcinoma (FFPE) stained with ROS1 Split FISH Probe. Human lung squamous cell carcinoma showed ROS1 gene split.



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 split using Fluorescent In Situ Hybridization Technique. ([Technology](#)).

Probe 1	Name: ROS1(TexRed) Size: Approximately 310kb Fluorophore: Texas Red Location: 6q22.1
Probe 2	Name: ROS1(FITC) Size: Approximately 630kb Fluorophore: FITC Location: 6q22.1
Probe Gap	The length of overlap between two probes is approximately 20 kb.
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.
Regulation 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: Hybridization position of the probes on the chromosome:

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

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

Human lung squamous cell carcinoma (FFPE) stained with ROS1 Split FISH Probe. Human lung squamous cell carcinoma showed ROS1 gene split.

[Protocol Download](#)

Gene Info — ROS1

Entrez GeneID	6098
Gene Name	ROS1
Gene Alias	MCF3, ROS, c-ros-1
Gene Description	c-ros oncogene 1 , receptor tyrosine kinase
Omim ID	165020
Gene Ontology	Hyperlink
Gene Summary	This proto-oncogene, highly-expressed in a variety of tumor cell lines, belongs to the sevenless subfamily of tyrosine kinase insulin receptor genes. The protein encoded by this gene is a type I integral membrane protein with tyrosine kinase activity. The protein may function as a growth or differentiation factor receptor. [provided by RefSeq]
Other Designations	OTTHUMP00000017814 OTTHUMP00000040389 proto-oncogene c-ros-1 protein proto-oncogene tyrosine-protein kinase ROS transmembrane tyrosine-specific protein kinase v-ros UR2 sarcoma virus oncogene homolog 1 v-ros avian UR2 sarcoma virus oncogene homolog 1

Disease

- [Atherosclerosis](#)
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- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
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