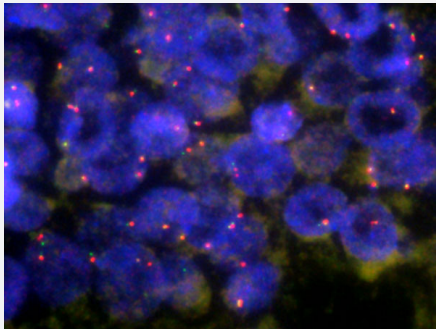


FUS Split FISH Probe

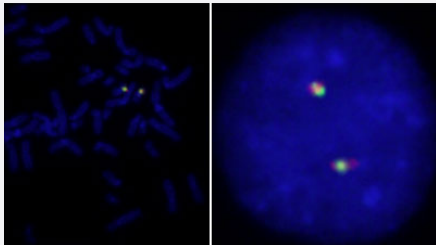
Catalog # FS0020 Size 200 uL, 100 uL

Applications



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

Human pancreatic cancer (FFPE) stained with FUS Split FISH Probe. Human pancreatic cancer showed no FUS 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: FUS(Texas Red) Size: Approximately 620kb Fluorophore: Texas Red Location: 16p11.2
Probe 2	Name: FUS(FITC) Size: Approximately 410kb Fluorophore: FITC Location: 16p11.2
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.
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 pancreatic cancer (FFPE) stained with FUS Split FISH Probe. Human pancreatic cancer showed no FUS gene split.

[Protocol Download](#)

Gene Info — FUS

Entrez GeneID	2521
Gene Name	FUS
Gene Alias	CHOP, FUS-CHOP, FUS1, TLS, TLS/CHOP, hnRNP-P2
Gene Description	fusion (involved in t(12;16) in malignant liposarcoma)
Omim ID	137070
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene result in amyotrophic lateral sclerosis type 6. [provided by RefSeq]
Other Designations	FUS-CHOP fusion protein FUS-CHOP protein fusion Fusion gene in myxoid liposarcoma fus-like protein fus/tls-chop oncogene heterogeneous nuclear ribonucleoprotein P2 translocated in liposarcoma

Disease

- [Amyotrophic Lateral Sclerosis](#)
- [Azoospermia](#)
- [Cognition Disorders](#)
- [Diabetes Mellitus](#)
- [Frontotemporal Dementia](#)
- [Frontotemporal Lobar Degeneration](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Oligospermia](#)

- [Overweight](#)
- [Parkinsonian Disorders](#)
- [Prostate cancer](#)