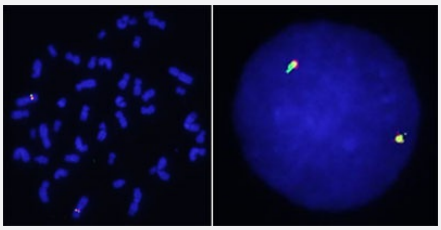
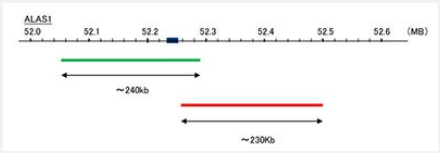
ALAS1 Split FISH Probe

Catalog # FS0105 Size 100 uL

Applications





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:** ALAS1 **Size:** Approximately 230kb **Fluorophore:** Texas Red **Location:** 3p21.2
Probe 2	**Name:** ALAS1 **Size:** Approximately 240kb **Fluorophore:** FITC **Location:** 3p21.2
Origin	Human

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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.
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 l eft image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Products	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.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — ALAS1

Entrez GeneID	211
Gene Name	ALAS1
Gene Alias	ALAS, ALAS3, ALASH, MIG4
Gene Description	aminolevulinate, delta-, synthase 1
Omim ID	125290
Gene Ontology	Hyperlink

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Gene Summary	Delta-aminolevulinate synthase (ALAS; EC 2.3.1.37) catalyzes the condensation of glycine with s uccinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the f irst and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2 tissue-sp ecific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-sp ecific enzyme encoded by ALAS2 (MIM 301300).[supplied by OMIM
Other Designations	aminolevulinate, delta, synthase 1|migration-inducing protein 4

Pathway

- Glycine
- Metabolic pathways
- Porphyrin and chlorophyll metabolism

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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