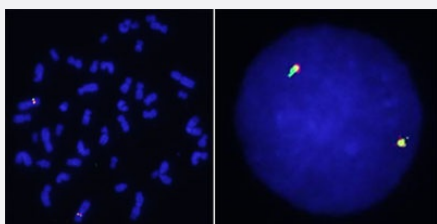


ALAS1 Split FISH Probe

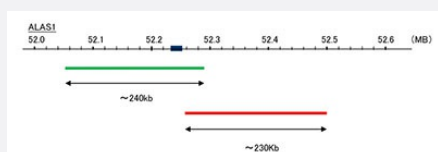
Catalog # FS0105 Size 100 uL

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 |

| | |
|-------------------------|---|
| 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 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](#)

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 |
| Gene Summary | Delta-aminolevulinate synthase (ALAS; EC 2.3.1.37) catalyzes the condensation of glycine with succinyl-CoA to form delta-aminolevulinic acid. This nuclear-encoded mitochondrial enzyme is the first and rate-limiting enzyme in the mammalian heme biosynthetic pathway. There are 2 tissue-specific isozymes: a housekeeping enzyme encoded by the ALAS1 gene and an erythroid tissue-specific 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](#)