

# GFI1 FISH Probe

Catalog # FA0041      Size 200 uL

## Specification

|                            |                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. ( <a href="#">Technology</a> ).                                                                         |
| <b>Origin</b>              | Human                                                                                                                                                                                                                         |
| <b>Source</b>              | Genomic DNA                                                                                                                                                                                                                   |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                                         |
| <b>Notice</b>              | We <b>strongly recommend</b> the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: <a href="#">KA2375</a> or <a href="#">KA2691</a> ) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections. |
| <b>Regulation Status</b>   | For research use only (RUO)                                                                                                                                                                                                   |
| <b>Supplied Product</b>    | DAPI Counterstain (1500 ng/mL ) 250 uL                                                                                                                                                                                        |
| <b>Storage Instruction</b> | Store at 4°C in the dark.                                                                                                                                                                                                     |

## Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

## Gene Info — GFI1

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| <b>Entrez GeneID</b>    | <a href="#">2672</a>                                |
| <b>Gene Name</b>        | GFI1                                                |
| <b>Gene Alias</b>       | FLJ94509, GFI-1, ZNF163                             |
| <b>Gene Description</b> | growth factor independent 1 transcription repressor |

Omim ID [202700 600871 607847](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a nuclear zinc finger protein that functions as a transcriptional repressor. This protein plays a role in diverse developmental contexts, including hematopoiesis and oncogenesis . It functions as part of a complex along with other cofactors to control histone modifications that lead to silencing of the target gene promoters. Mutations in this gene cause autosomal dominant severe congenital neutropenia, and also dominant nonimmune chronic idiopathic neutropenia of adults, which are heterogeneous hematopoietic disorders that cause predispositions to leukemias and infections. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000012582|OTTHUMP00000012583|growth factor independence-1|growth factor independent 1|zinc finger protein 163|zinc finger protein Gfi-1

## Disease

- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Multiple Sclerosis](#)
- [Translocation](#)