

# SPI1 FISH Probe

Catalog # FA0280      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 — SPI1

<b>Entrez GeneID</b>	<a href="#">6688</a>
<b>Gene Name</b>	SPI1
<b>Gene Alias</b>	OF, PU.1, SFPI1, SPI-1, SPI-A
<b>Gene Description</b>	spleen focus forming virus (SFFV) proviral integration oncogene spi1

Omim ID [165170](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes an ETS-domain transcription factor that activates gene expression during myeloid and B-lymphoid cell development. The nuclear protein binds to a purine-rich sequence known as the PU-box found near the promoters of target genes, and regulates their expression in coordination with other transcription factors and cofactors. The protein can also regulate alternative splicing of target genes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** 31 kDa transforming protein|SPI-1 proto-oncogene|hematopoietic transcription factor PU.1

## Pathway

- [Acute myeloid leukemia](#)
- [Pathways in cancer](#)

## Disease

- [Leukemia](#)