

# GFRA1 FISH Probe

Catalog # FA0262      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 — GFRA1

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| <b>Entrez GeneID</b>    | <a href="#">2674</a>                                      |
| <b>Gene Name</b>        | GFRA1                                                     |
| <b>Gene Alias</b>       | GDNFR, GDNFRA, GFR-ALPHA-1, MGC23045, RET1L, RETL1, TRNR1 |
| <b>Gene Description</b> | GDNF family receptor alpha 1                              |

Omim ID [601496](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

Glial cell line-derived neurotrophic factor (GDNF) and neurturin (NTN) are two structurally related, potent neurotrophic factors that play key roles in the control of neuron survival and differentiation. The protein encoded by this gene is a member of the GDNF receptor family. It is a glycosylphosphatidylinositol(GPI)-linked cell surface receptor for both GDNF and NTN, and mediates activation of the RET tyrosine kinase receptor. This gene is a candidate gene for Hirschsprung disease. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq]

**Other Designations**

GPI-linked anchor protein|Glial cell line-derived neurotrophic factor receptor alpha|OTTHUMP0000020558|OTTHUMP00000020559|PI-linked cell-surface accessory protein|RET ligand 1|TGF-beta related neurotrophic factor receptor 1

## Disease

- [Alzheimer Disease](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Hirschsprung Disease](#)
- [Hydronephrosis](#)
- [Hyperparathyroidism](#)
- [Liver Neoplasms](#)
- [Schizophrenia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Vesico-Ureteral Reflux](#)