

# PTPRG FISH Probe

Catalog # FA0101      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 — PTPRG

<b>Entrez GeneID</b>	<a href="#">5793</a>
<b>Gene Name</b>	PTPRG
<b>Gene Alias</b>	HPTPG, PTPG, R-PTP-GAMMA, RPTPG
<b>Gene Description</b>	protein tyrosine phosphatase, receptor type, G

Omim ID [176886](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is thought to be a candidate tumor suppressor gene. [provided by RefSeq]

**Other Designations**

H\_RG317H01.1|protein tyrosine phosphatase gamma|protein tyrosine phosphatase, receptor type, gamma polypeptide|receptor type protein tyrosine phosphatase gamma|receptor tyrosine phosphatase gamma|receptor-type protein phosphatase gamma

## Disease

- [Bipolar Disorder](#)
- [Kidney Failure](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Tobacco Use Disorder](#)