# DEEPSEE® 5p5q FISH Probe

## Ready-to-use directly labeled FISH probe for 5p5q detection

The DEEPSEE® 5p5q FISH Probe is a directly labeled, ready-to-use fluorescence in situ hybridization (FISH) probe for the detection of chromosomal copy number alterations and/or structural rearrangements at the TAS2R1/EGR1 locus. The probe is supplied as a pre-diluted hybridization solution in formamide-based buffer and is compatible with automated hybridization instruments (HYBrite™ / ThermoBrite®). SEEBRIGHT® Mounting Medium with DAPI is an antifade reagent that minimizes photobleaching. Use of this mounting medium significantly extends the lifetime of fluorescent signals. The inclusion of DAPI allows for staining of the nucleus. Supplied as 5 tests (50 µL) of ready-to-use probe solution.

Fluorescence in situ hybridization (FISH) is a molecular cytogenetic technique that uses fluorescently labeled DNA probes to detect and localize specific DNA sequences on chromosomes. FISH is widely used in research and clinical laboratories for the detection of chromosomal copy number changes, gene amplifications, deletions, and structural rearrangements associated with cancer and genetic disorders. DEEPSEE® directly labeled FISH probes are supplied as pre-diluted hybridization solutions, enabling high-sensitivity detection without additional labeling steps. SEEBRIGHT® Mounting Medium with DAPI is recommended for use with this probe.

- Directly labeled, ready-to-use probe
- 2-hour hybridization; same-day results
- US manufactured with 24–48 hour delivery for uninterrupted lab workflow

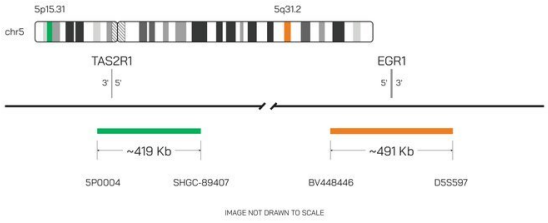
## Ordering Information

Order Online »

| | |
|---|---|
| **ENZ-GEN455-0005** | 5 tests |

## Manuals, SDS & CofA

View Online »


5p15.31
5q31.2
chr5
TAS2R1
3'
5'
EGR1
5'
3'
~419 Kb
~491 Kb
SP0004
SHGC-89407
BV448446
D5S597
IMAGE NOT DRAWN TO SCALE

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | When used and stored as directed, reagents are stable for 1 year from date of shipment as per the date stated on the product label. Avoid freeze-thaw cycles. |
| **Handling** | Protect from light and humidity at all times. Store at −20°C. Avoid freeze-thaw cycles. Centrifuge briefly before use. |
| **Short Term Storage** | 4 °C |
| **Long Term Storage** | -20°C |
| **Shipping** | Dry Ice |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Application** | FISH |
| **Assay Time** | 3 hr Total run time (2-hour hybridization); same-day results |
| **Contents** | 1 × DEEPSEE® 5p5q FISH Probe (ENZ-GEN455-0005), 5 tests (50 µL) ready-to-use probe solution in formamide-based buffer<br><br>Dye Specifications:<br>Probes labeled with Red-dUTP (Ex 580 nm/ Em 599 nm)<br>Probes labeled with Green-dUTP (Ex 491 nm/ Em 516 nm)<br>Probes labeled with Orange-dUTP (Ex 552 nm/ Em 576 nm)<br>Probes labeled with Gold-dUTP (Ex 525 nm/ Em 551 nm)<br>Probes labeled with Aqua-dUTP (Ex 434 nm/Em 480 nm) |

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.