

# EPHA3(Texas Red)/CEN3q(FITC) FISH Probe

Catalog # FA0509

Size 200 uL

## Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. ( <a href="#">Technology</a> ).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	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.
Regulation Status	For research use only (RUO)
Supplied Product	DAPI Counterstain (1500 ng/mL ) 250 uL
Storage Instruction	Store at 4°C in the dark.

## Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

## Gene Info — EPHA3

Entrez GeneID	<a href="#">2042</a>
Gene Name	EPHA3
Gene Alias	ETK, ETK1, HEK, HEK4, TYRO4
Gene Description	EPH receptor A3

Omim ID [179611](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq]

**Other Designations**

TYRO4 protein tyrosine kinase|eph-like tyrosine kinase 1|ephrin receptor EphA3|human embryo kinase 1

## Pathway

- [Axon guidance](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)