

RAC1 FISH Probe

Catalog # FA0183

Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) 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 — RAC1

Entrez GeneID	5879
Gene Name	RAC1
Gene Alias	MGC111543, MIG5, TC-25, p21-Rac1
Gene Description	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)

Omim ID	602048
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	migration-inducing gene 5 migration-inducing protein 5 ras-related C3 botulinum toxin substrate 1 ras-related C3 botulinum toxin substrate 1 isoform Rac1 ras-related C3 botulinum toxin substrate 1 isoform Rac1b rho family, small GTP binding protein Rac1

Pathway

- [Adherens junction](#)
- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

- [Renal cell carcinoma](#)
- [Toll-like receptor signaling pathway](#)
- [VEGF signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Angina Pectoris](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Coronary Vasospasm](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mental Retardation](#)
- [Occupational Diseases](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)