LIS1/RARA FISH Probe

Catalog # FA0650 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 Products	DAPI Counterstain (150 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — PAFAH1B1

Entrez GeneID	5048
Gene Name	PAFAH1B1
Gene Alias	LIS1, LIS2, MDCR, MDS, PAFAH

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Gene Description	platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa
Omim ID	247200 601545 607432
Gene Ontology	Hyperlink
Gene Summary	This locus was identified as encoding a gene that when mutated or lost caused the lissencephaly associated with Miller-Dieker lissencephaly syndrome. This gene encodes the non-catalytic alpha subunit of the intracellular Ib isoform of platelet-activating factor acteylhydrolase, a heterotrimeric enzyme that specifically catalyzes the removal of the acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alkyl-2-acetyl-sn-glyceryl-3-phosphorylcholine). Two other isoforms of intracellular platelet-activating factor acetylhydrolase exist: one composed of multiple subunits, the other, a single subunit. In addition, a single-subunit isoform of this enzyme is found in serum. [provided by RefSeq
Other Designations	Platelet-activating factor acetylhydrolase, isoform 1B, alpha subunit|lissencephaly 1 protein|platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit

Gene Info — RARA

Entrez GeneID	5914
Gene Name	RARA
Gene Alias	NR1B1, RAR
Gene Description	retinoic acid receptor, alpha
Omim ID	180240
Gene Ontology	Hyperlink
Gene Summary	Retinoid signaling is transduced by 2 families of nuclear receptors, retinoic acid receptor (RAR) and retinoid X receptor (RXR; see MIM 180245), which form RXR/RAR heterodimers. In the absence of ligand, DNA-bound RXR/RARA represses transcription by recruiting the corepressors NCOR1 (MIM 600849), SMRT (NCOR2; MIM 600848), and histone deacetylase (see MIM 601241). When ligand binds to the complex, it induces a conformational change allowing the recruitment of coactivators, histone acetyltransferases (see MIM 603053), and the basic transcription machinery. Translocations that always involve rearrangement of the RARA gene are a cardinal feature of acute promyelocytic leukemia (APL; MIM 612376). The most frequent translocation is t(15,17)(q21;q22), which fuses the RARA gene with the PML gene (MIM 102578) (Vitoux et al., 2007 [PubMed 17468032]).[supplied by OMIM
Other Designations	OTTHUMP00000164454|OTTHUMP00000164456|Retinoic acid receptor, alpha polypeptide|nucleophosmin-retinoic acid receptor alpha fusion protein NPM-RAR long form

Pathway

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- Acute myeloid leukemia
- Ether lipid metabolism
- Metabolic pathways
- Pathways in cancer

Disease

- Alcoholism
- Alzheimer disease
- Alzheimer Disease
- Arterial Occlusive Diseases
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Bipolar Disorder
- Bipolar Disorder
- Cardiomyopathy
- Cardiovascular Diseases
- Cardiovascular Diseases
- Cerebral Infarction
- Chorioamnionitis
- Cleft Lip
- Cleft Lip
- Cleft Palate
- Cleft Palate
- Cognition

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- Connective Tissue Diseases
- Coronary Artery Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Models
- Drug Toxicity
- Edema
- Edema
- Epilepsy
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glaucoma
- Graft Occlusion
- Hypercholesterolemia
- Infection
- Inflammation
- Liver Cirrhosis
- Mental Disorders
- Mental Disorders
- Metabolic Syndrome X
- Mucocutaneous Lymph Node Syndrome
- Multiple Sclerosis
- Musculoskeletal Diseases

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- Myocardial Infarction
- Myopia
- Neoplasms
- Neuromyelitis Optica
- Neuropsychological Tests
- Obstetric Labor
- Osteoporosis
- Postmortem Changes
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Schizophrenia
- Schizophrenia
- Skin Diseases

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