AR(Texas Red)/CENXp(FITC) FISH Probe

Catalog # FA0617 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 (1500 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 — AR

Entrez GeneID	367
Gene Name	AR
Gene Alias	AIS, DHTR, HUMARA, KD, NR3C4, SBMA, SMAX1, TFM

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Gene Description	androgen receptor
Omim ID	176807 300068 300633 313200 313700
Gene Ontology	Hyperlink
Gene Summary	The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete and rogen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000023450|OTTHUMP00000061928|dihydrotestosterone receptor

Pathway

- Pathways in cancer
- Prostate cancer

Disease

- Abortion
- Acne Vulgaris
- Adenocarcinoma
- Adrenal Hyperplasia
- Alcoholism
- Alopecia
- Alzheimer disease
- Androgen-Insensitivity Syndrome
- Angina Pectoris
- Antisocial Personality Disorder

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- Arteriosclerosis
- Arthritis
- Asperger Syndrome
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Azoospermia
- Biliary Tract Neoplasms
- Bipolar Disorder
- Birth Weight
- Bone Neoplasms
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Cadaver
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Chromosome Aberrations
- Cognition
- Cognition Disorders
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Disease
- Cryptorchidism

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- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Dyslipidemias
- Edema
- Endometrial Neoplasms
- Endometriosis
- Epilepsy
- Esophageal Neoplasms
- Fibroadenoma
- Fractures
- Fragile X syndrome
- Friedreich Ataxia
- Functional Laterality
- Gallstones
- Gender Identity
- Genetic Predisposition to Disease
- Germinoma
- Gonadal Dysgenesis
- Gynecomastia
- Head and Neck Neoplasms
- Heart Diseases

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- Hepatitis B
- Hepatitis C
- Hip Fractures
- Hirsutism
- Hyperandrogenism
- Hyperplasia
- Hypertension
- Hypertrophy
- Hypogonadism
- Hypospadias
- Infertility
- Inflammation
- Insulin Resistance
- Klinefelter Syndrome
- Leiomyoma
- Libido
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Lymphopenia
- Machado-Joseph Disease
- Male pattern baldness
- Memory
- Mental Disorders
- Metabolic Syndrome X
- Microsatellite Instability

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- Migraine Disorders
- Mood Disorders
- Muscular Atrophy
- Muscular Disorders
- Myocardial Infarction
- Myoclonic Epilepsies
- Myotonic dystrophy
- NARP
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Neuropsychological Tests
- Obesity
- Oligospermia
- Osteoarthritis
- Osteoporosis
- Ovarian cancer
- Ovarian Diseases
- Ovarian Failure
- Ovarian Neoplasms
- Personality Assessment
- Personality Tests
- Phobic Disorders
- Polycystic Ovary Syndrome

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- Precancerous Conditions
- Pre-Eclampsia
- Prenatal Exposure Delayed Effects
- Prostate cancer
- Prostatic Diseases
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Psychological Tests
- Psychophysiologic Disorders
- Psychosexual Development
- Puberty
- Rectal Neoplasms
- Recurrence
- Schizophrenia
- Seminoma
- Severe combined immunodeficiency
- Sex Chromosome Aberrations
- Sex determination
- Sexual Dysfunction
- Sexual Dysfunctions
- Social Perception
- Spinal Diseases
- Spinal Fractures
- Spinal muscular atrophy
- Spinocerebellar ataxia

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- Spinocerebellar Ataxias
- Stroke
- Substance Withdrawal Syndrome
- Substance-Related Disorders
- Task Performance and Analysis
- Testicular Neoplasms
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Ureteral Neoplasms
- Urinary Bladder Neoplasms
- Urinary Calculi
- Uterine Neoplasms
- Virilism
- Weight Gain
- Weight Loss

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