WT1 FISH Probe

Catalog # FA0275 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 — WT1

Entrez GeneID	7490
Gene Name	WT1
Gene Alias	GUD, WAGR, WIT-2, WT33
Gene Description	Wilms tumor 1

Omim ID	136680 194070 194072 194080 256370 607102
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that contains four zinc-finger motifs at the C-terminus and a proline/glutamine-rich DNA-binding domain at the N-terminus. It has an essential role in the normal development of the urogenital system, and it is mutated in a small subset of patients with Wilm's tumors. Multiple transcript variants, resulting from alternative splicing at two coding exons, have been well characterized. There is also evidence for the use of non-AUG (CUG) translation initiation site upstream of, and in-frame with the first AUG, leading to additional isoforms. Authors of PMID:7926762 also provide evidence that WT1 mRNA undergoes RNA editing in human and rat, and that this process is tissue-restricted and developmentally regulated. [provided by RefSeq
Other Designations	-

Publication Reference

- A sporadic case of congenital aniridia caused by pericentric inversion inv(11)(p13q14) associated with a 977 kb deletion in the 11p13 region.

  Tatyana A Vasilyeva, Andrey V Marakhonov, Marina E Minzhenkova, Zhanna G Markova, Nika V Petrova, Natella V Sukhanova, Philipp A Koshkin, Denis V Pyankov, Ilya V Kanivets, Sergey A Korostelev, Irina A Krynskaya, Nadezhda V Shilova, Sergey I Kutsev, Vitaly V Kadyshev, Rena A Zinchenko.

  BMC Medical Genomics 2020 Sep; 13(Suppl 8):130.

  Application: FISH, Human, Human chromosomes

Disease

- Abnormalities
- Acute Disease
- Denys-Drash Syndrome
- Disease Progression
- Eye Diseases
- Frasier Syndrome
- Genetic Predisposition to Disease
- Glomerulosclerosis
- Gonadoblastoma

- Hypospadias
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Neoplasms
- Neovascularization
- Nephrotic Syndrome
- Pancreatic cancer
- Pancreatic Neoplasms
- Precursor T-Cell Lymphoblastic Leukemia-Lymphoma
- Recurrence
- Sex determination
- Thyroid Neoplasms
- Tobacco Use Disorder
- Urogenital Abnormalities
- Wilms Tumor