

Product sheet

Wilms6 | 300415

Wilms6

**Description**  
Wilms6 is a Wilms tumor suppressor gene. It encodes a protein that acts as a transcription factor. The protein is involved in the regulation of cell growth and differentiation. Mutations in the Wilms6 gene are associated with Wilms tumor, a type of kidney cancer. The protein is also involved in the regulation of the CTNNB1 gene, which encodes the protein β-catenin. Mutations in the Wilms6 gene are also associated with the Wilms6-CTNNB1 fusion gene, which is a common genetic alteration in Wilms tumor. The Wilms6 protein is also involved in the regulation of the CTNNB1 gene, which encodes the protein β-catenin. Mutations in the Wilms6 gene are also associated with the Wilms6-CTNNB1 fusion gene, which is a common genetic alteration in Wilms tumor.

**Organism** Human

**Tissue** Kidney

**Disease** Wilms tumor

**Applications** Research, diagnostic, prognostic

Characteristics

**Age** 15 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Cell type** Kidney epithelial cells

**Growth properties** High

References

**Citation** Wilms6 (Cytion 300415)

**Biosafety level** 1

**NCBI\_TaxID** 9606

XXXX XXXXXX6 | 300415

CellosaurusAccession CVCL\_A5SI

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

**Mutational profile** XXXXX XXXXXXX WT1: XXXXXXXXXXXX c.1168C>T, p.R390x, LOH: 11p11-11pter, XXXXX XXXXXXX CTNNB1: XXXXXXXXXXXX del TCT, p.DS45

XXXXXXXX

**Culture Medium** XXXX MSCGM (XXXX Lonza)

**Dissociation Reagent** XXXXXXX

**Subculturing** XXXX XX XXXXXXX XXXX XXXXXXX XXXXXXX XXXXXXX XXXX XXXX X-PBS XXX XXXX XXXXXXXXXX XXXX XXXXXXX T25, XXXXXXX X-3-5 X' X-PBS, XXXXXXX XXXX 3 XXXX. XXXX XX XXXXXXX XXXXXXX, XXXX XX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXX

**Freeze medium** XXXXXXX XXXXXXX XXXXXXX, XXXX XXXXXXX XXXXXXX XXXXXXX XXXX (XXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXX XXXXXXX, XX C

- Thawing and Culturing Cells**
1. XXX XXXXXXXXXX XXXX XXXX XXXXXXX XXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXX XXX XXX XXXX XX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
  2. XX XXXX XXXXXXX, XXXX XX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXX X-150°C XXX XXXXXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX, XX XXXXXXX
  3. XXXXXXX XXXXXXX XXXXXXX, XXXXXXX XX XXXXXXXXXX XXXXXXXXXX XX XXX XXXXXXX XXXXXXX XXX XXXXXXXXXX XXX 37 XXXXXXX XXXXXXXXXX XXX XXX XXXXXXX
  4. XXXX XX XX XXXXXXX XXXXXXX XXXXXXXXXX XXXXXXX, XXXXXXX XX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 70% XXXXX XXXXXXXXXX
  5. XXXX XXXXXXXXXX XX XXXXXXXXXX XXXXXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXX 15 X'X XXXXXXX 8 X'X XX XXXX XXXXXXXXXX XXXXXXXXXX
  6. XXXXXXX XX XXXXXXXXXX XXXXXXXXXX XXXX-300 x g XXXX 3 XXXX XXXX XXXXXXXXXX XXX XXXXXXX, XXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
  7. XXXXXXX XXXXXXXXXX XX XXXXXXX XXXXXXX X-10 X'X XX XXXX XXXXXXX XXXX. XXXXXXX XXXXXXX XXXXXXXXXX, XXXXXXX XX XXXXXXXXXX XXXX XXXX XXXXXXXXXX XXXXXXX T2
  8. XXXXXXXXXX XX XXXXXXXXXX XXX-XXXXXXX XXXXXXXXXX XXXXXXX XXXXXXXXXX XXX XXX XXXXXXX, XXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX

**Incubation Atmosphere** 37°C, 5% CO2, XXXXXXXXXX XXXX

