

## Product datasheet for **RC201018**

### WIT1 (NM\_015855) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** WIT1 (NM\_015855) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** WIT1  
**Synonyms:** WIT-1, dJ74J1.1, MGC120207, MGC120208, MGC120209  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC201018 representing NM\_015855  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGAGGCGAGGACAGCCCTGGAAAACCATGTGGCGTTGATACACTGGCAAAGCGCAGGCATCCCGG  
 CCTCGAAGGTGCATAATTATTGCAATATGAAAAATCGAGGCTGGGTAGGAGCAGGGCAGTGAGGATTTTC  
 TCAACCCCTACTTTCACCCCGCGCTGTCCACTGCATCTGACAGAGCGCGGAGCTGGGCTGCTACAGCCG  
 CAACCCAGGGACCACTGCGCACGCCTGGGCCGCCCTCCGGGAGTACCCAGCGGCCGCGGACAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201018 representing NM\_015855  
 Red=Cloning site Green=Tags(s)  
 MQRRGQPLENHVALIHWQSAGIPASKVHNYCNMKKSRLGRSRAVRISQPLLSPRRCPLHLTERGALLQP  
 QPQGPV RTPPPSGSHPAAADN

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6390\\_a05.zip](https://cdn.origene.com/chromatograms/mk6390_a05.zip)

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_015855

**ORF Size:** 276 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

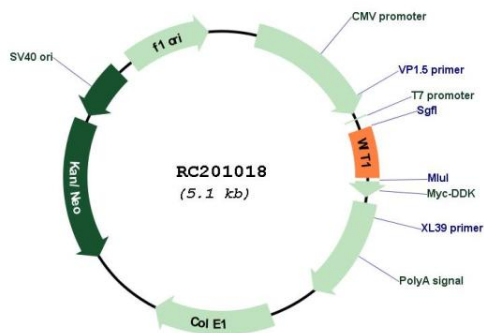
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_015855.3](#), [NP\\_056939.1](#)

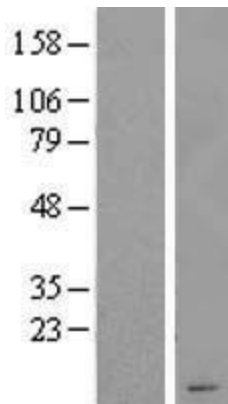
**RefSeq Size:** 1962 bp

RefSeq ORF:	278 bp
Locus ID:	51352
Cytogenetics:	11p13
Protein Families:	Druggable Genome
MW:	9.9 kDa
Gene Summary:	This gene is located upstream of the Wilms tumor 1 (WT1) gene; these two genes are bi-directionally transcribed from the same promoter region. This gene is imprinted in kidney, with preferential expression from the paternal allele. Imprinting defects at chromosome 11p13 may contribute to tumorigenesis. [provided by RefSeq, May 2014]

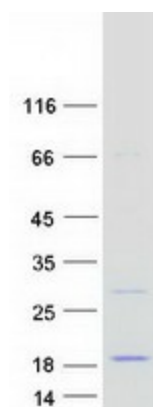
## Product images:



Circular map for RC201018



Western blot validation of overexpression lysate (Cat# [LY414347]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201018 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified WIT1 protein (Cat# [TP301018]). The protein was produced from HEK293T cells transfected with WIT1 cDNA clone (Cat# RC201018) using MegaTran 2.0 (Cat# [TT210002]).