

## Product datasheet for **RC209186**

### TTC23L (NM\_144725) Human Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | TTC23L (NM_144725) Human Tagged ORF Clone                         |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | TTC23L                                                            |
| Synonyms:                 | MC25-1                                                            |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >RC209186 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCAAGCCAGCCCCATCCGTATCCCAACTGTTAGCAATGACATCGACTGGGATTTCTGCTTCCGTATGT  
 CACAGCAAACCGAGATCCAGCTCACCAGCAAACAGATGAGTTGTATCCCACTGGTGGGTGTGGAGAGAG  
 TGAAGAGGAACTAAAGCTAAAGAGAAGGAGAAGGCCATAGACTGTATGTCTCATCCAAAGAGAAATTA  
 GCCCAATCCAGAAGAAAGTAGCTCAGCTGATTAAGGAAAAATGAATACTCAAGCAAACAAGGAGCTGA  
 TTCGATGTGTCATCCTTTCTCGATTATTTTGGGGACCATCACTGGAAATGTGCACGAGCTCTGGCCAA  
 CCTAGCTTATGGCTACTTGACACTGAGAGGCCTCCAGTTCAGGCCAAGAAACATGCTACATCAGCCAAG  
 AATACACTGTTGACCTGGAAGGCAAATACGACCTCAAATAAGGAGAAAAGAGGAAATCCTGGAAGCTCTGG  
 TCAAGCTGTACTACACTCTGGGCGTGGCCTGGCTCCTGCAGAACCCTGGCAGAGAAGCCTATTTCAACCT  
 GCAGAAGGCAGAGAGAAACATGAAGGAGCTGAAAGAATTATATAAAGGAGGTGTTTGTGAATTACAAGTC  
 TCTGAGAACGACCTAACACTTGCTTTGGGCAGAGCCTCCTTGGCCATCCACAGACTGAACCTAGCTCTGG  
 CATACTTTGAAAAGCAATTGGCGATGTTATTGCTGCCAAGGGTGATAGGACGTCAGATCTGATCAGCCT  
 GTACGAGGAAGCTGCTCAGATAGAGCAGCTGAGGAGGAACCAACCAGGCCATCCAGTACTTGCAGCAG  
 GCTCATTTCTGTCTGTGTTTCTTTGTTCACTGAAGTCAGCCCCAAACTGCAGAAATGAGTGCCTTACTGG  
 CCAAAGCTTATGCCATGTCTGGAGAGGCCAGCACAGGGATGCTGTTGAGATATATTTATAAGAAGTAT  
 CAATGCATATCGAGCAACATTGGGCTCAGAGGATTTTGAACACTGAGCACCACTGAAGAATTTTGCAAA  
 TGGCTTGTCAAAATGGAGAAAAACAGGACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >RC209186 protein sequence  
 Red=Cloning site Green=Tags(s)

MQASPIRIPTVSNDIDWDFCFRMSQQTEIPAHQQTDEL YPTGGCGESEEETKAKEKEKAIDCMSHPKEKL  
 AQSQKKVAQLIKEKMNTQANKELIRCVILSRIFGDHWWKCARALANLAYGYLTLRGLPVQAKKHATSAK  
 NTLLTWKANTTSNKEKEEILEALVKLYYTLGVAWLLQNRGREAYFNLQKAERNMKELKEL YKGGVCELQV  
 SENDLTALGRASLAIHRLNLALAYFEKAIGDVIAAKGDRTSDLISLYEEAAQIEQLRRNHNQAIQYLQQ  
 AHSVCVSLFTEVSPKTAEMSALLAKAYAMSGEAQHRDAVEIYFIRSINAYRATLGSEDFETLSTTEEFCK  
 WLVQNGEKQDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6529\\_e02.zip](https://cdn.origene.com/chromatograms/mk6529_e02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_144725

**ORF Size:** 1083 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\\_144725.4](#)

**RefSeq Size:** 1369 bp

**RefSeq ORF:** 1086 bp

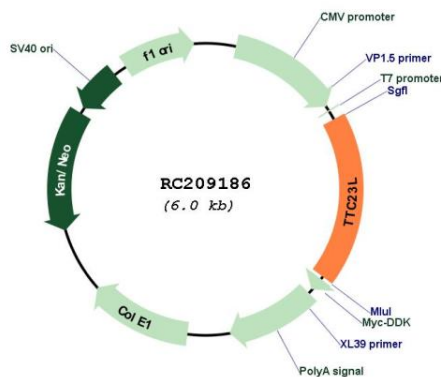
**Locus ID:** 153657

**UniProt ID:** [Q6PF05](#)

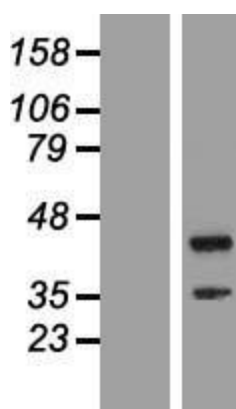
**Cytogenetics:** 5p13.2

**MW:** 40.9 kDa

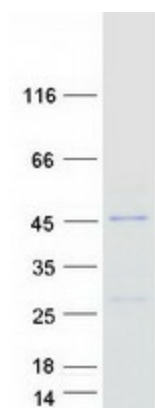
## Product images:



Circular map for RC209186



Western blot validation of overexpression lysate (Cat# [LY408153]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209186 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TTC23L protein (Cat# [TP309186]). The protein was produced from HEK293T cells transfected with TTC23L cDNA clone (Cat# RC209186) using MegaTran 2.0 (Cat# [TT210002]).