

## Product datasheet for **RC206806**

### MED19 (NM\_153450) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MED19 (NM\_153450) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MED19  
**Synonyms:** DT2P1G7; LCMR1; MED19AS  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC206806 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAATTTACGGCACTGTTTGGGGCTCAGGCTGACCCACCACCGCCCCAACCGCACTCGGCTTCG  
 GACCAGGAAAGCCTCCACCCCGCCACCGCTCCTGCGGGCGGGGACCGGCACGGCCCCGCTCCCAC  
 CGCGGCCACGGCTCCTCTGGCGCGGACAAGTCAAGGAGTGGCTGTGGCCCTTTTACCTCATGAGGGAA  
 CTGCCAGGTAGCACAGAGCTGACAGGCAGCACGAATCTGATCACACACTACAACCTGGAACAAGCCTATA  
 ATAAATCTGTGGGAAGAAGGTGAAGGAGAAGCTAAGTAACCTCCTGCCTGACCTGCCAGGGATGATTGA  
 TCTGCCTGGTTCCCATGATAACAGCAGCCTCCGCTCTCTCATTGAGAAGCCCCCTATTCTCAGTAGCTCT  
 TTCAATCCTATCACAGGGACCATGCTGGCCGGTTCGCCCTCCACACTGGCCCGTTGCCGGAGCAGTGTC  
 GTCTGATGCATATTCAGCCTCCAAGAAGAAGAATAAGCACAAGCACAAACAGAGCCGTACCCAGGATCC  
 TGTCGCCCCAGGTAACCCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC206806 protein sequence  
 Red=Cloning site Green=Tags(s)

MENFTALFGAQADPPPPPTALFGFGPKPPPPPPAGGGPGTAPPPTAATAPPGADKSGAGCGPFYLMRE  
 LPGSTELTGSTNLITHYNLEQAYNKFCGKVKKEKLSNFLPDLPGMIDLPGSHDNSSLRSLIEKPPILSSS  
 FNPITGTMLAGFRLHTGPLPEQCRMLMHIQPPKKKNKHKHKQSRQDPVPPGKPS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

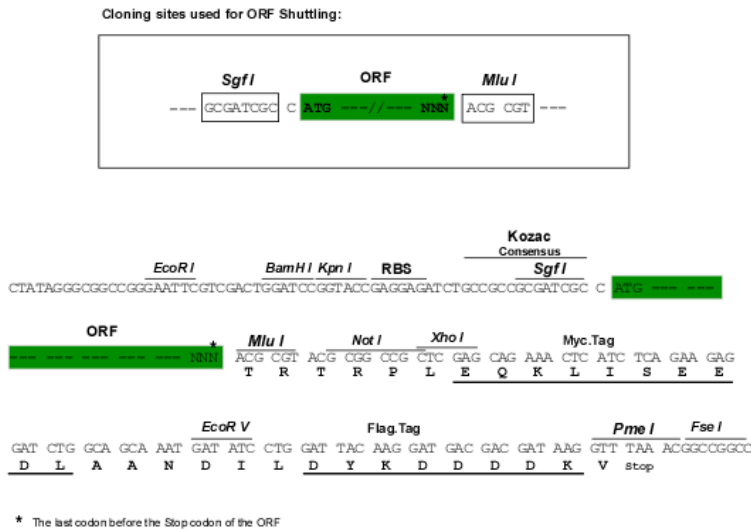


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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6330\\_f07.zip](https://cdn.origene.com/chromatograms/mk6330_f07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_153450

**ORF Size:** 582 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\\_153450.4](#)

**RefSeq Size:** 1605 bp

RefSeq ORF: 585 bp

Locus ID: 219541

UniProt ID: [A0ILT2](#)

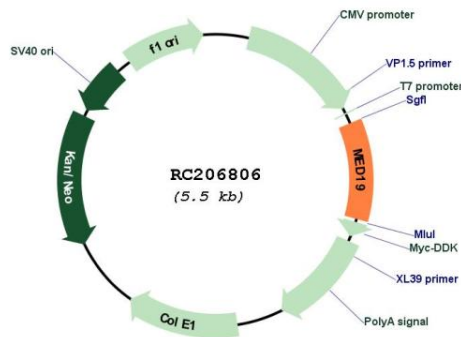
Cytogenetics: 11q12.1

Protein Families: Druggable Genome

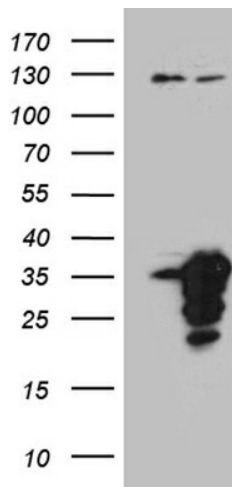
MW: 20.4 kDa

**Gene Summary:** The protein encoded by this gene is a subunit of the Mediator complex, which binds to gene-specific regulatory factors and provides support for the basal RNA polymerase II transcription machinery. This gene has been implicated in the growth of several types of cancer, and inhibition of its expression inhibits the growth and spread of these cancers. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

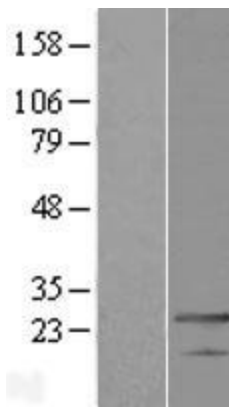
### Product images:



Circular map for RC206806



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MED19 (Cat# RC206806, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MED19 (Cat# [TA810428])(1:2000). Positive lysates [LY407036] (100ug) and [LC407036] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY407036]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206806 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).