

## Product datasheet for RC207186

### ZNF547 (NM\_173631) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF547 (NM_173631) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF547
Synonyms:	MIP-2A; SEDLP1; TRAPPC2.19; TRAPPC2B; TRAPPC2P1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207186 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAAATGAACCTGCACAGGGTCATGTGGTTTTTGAAGACGTGGCCATATATTTCTCCAGGAGG  
AGTGGGGGCATCTCGATGAGGCTCAGAGATTGCTGTACCGTGATGTGATGCTGGAGAATTTGCCCTTTT  
GTCCTCACTAGGTTGTTGCCATGGAGCTGAGGATGAGGAGGCACCTTTAGAGCCAGGTGTTTCTGTAGGA  
GTGTCACAGGTCATGGCTCCAAAGCCCTGTCTATCTACCCAGAATACCCAGCCCTGTGAGACATGTAGCT  
CACTTCTGAAGGACATTCTGCGTCTGGCTGAGCATGACGGAACACACCCCGAGCAGGGACTGTACACGTG  
TCCAGCAGATCTTACCAGCACCAAAGGAGCAGATTAGAGAGAACTTTCTAGAGGGGATGGAGGAAGA  
CCGACATTTGTGAAGAACCACAGAGTTCACATGGCAGGGAAGACCTTCTTGTGCAGTGAATGTGGGAAAG  
CCTTTAGCCACAAACATAAACTTTCTGACCATCAGAAAATCCACACTGGAGAAAGAACTTATAAGTGCAG  
CAAATGTGGGATATTGTTTATGGAAAGGTCCACACTCAATAGACATCAGAGAAGTCCACTGGAGAAAGG  
CCTTATGAGTGAATGAATGTGGAAAGCCTTTCTTTGTAAGTCTCACCTTGTTCGTACCAGACAATCC  
ACTCTGGAGAAAGGCCTTATGAGTGCAGTGAATGTGGAAATGTTTATGTGGAGTCCACACTCATTAC  
ACATCAGAGGGTTCACACTGGAAAGAGGCCTTATGGTTGCAGTGAATGTGGAAAGTCTTTAAGTGAAC  
TCAAACCTTTTAGGCATTACAGAATTCATACAGGAAAAAGGTCTTATGGTTGCAGTGAATGTGGAAAT  
TCTTTATGGAAAGGTCTACACTCAGTAGACATCAGAGAGTTTACACTGGAGAAAGCCTTATGAGTGCAA  
TGAATGTGGGAAATTTCTCAGCTTGAATCCGTCCTCATTCAACACCAAAGAGTTCACACTGGAGAACGG  
CCTTATGAATGCAGTGAATGTGGAAAGCCTTCTTACAAAGTCCACCTCATTGTGCATCAGACAGTTC  
ACACTGCAGCAAAGCAGTGCAGTGAATGTGGAAATTTCTTAGGTATAACTTCACTTCTCAGACATCA  
GAAAGTCCACACTGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC207186 protein sequence  
Red=Cloning site Green=Tags(s)

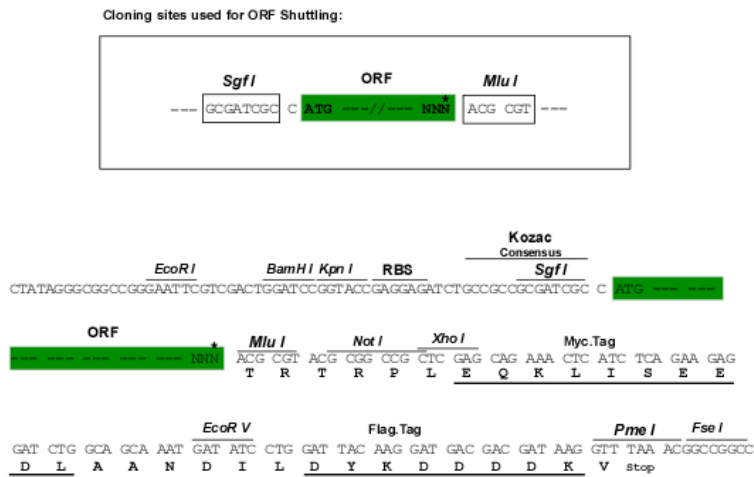
MAEMNPAQGHVVFEDVAIYFSQEEWGHLEDAQRLLYRDVMLENALLSSLGCCGHAEDDEEAPLEPGVSVG  
 VSQVMAPKPCCLSTQNTQPCETCSSLLKIDILRLAEHDGTHPEQGLYTCPAHLHQHQKEQIREKLSRGDGG  
 PTFVKNHRVHMAGKTFLCSECGKAFSHKHKLSDHQKIHTGERTYKCKGILFMRSTLNRHQRTHTGER  
 PYECNECGKAFLCKSHLVRHQTIHSGERPPECSECGKLFMWSSTLITHQRVHTGKRYPYGCSECGKFFKCN  
 SNLFRHYRIHTGKRSYGCSECGKFFMERSTLSRHQRVHTGERPYECNECGKFFSLKSVLIQHQRVHTGER  
 PYECSECGKAFLTKSHLICHQTVHTAAKQCSECGKFFRYNSTLLRHQKVHTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6587\\_d07.zip](https://cdn.origene.com/chromatograms/mk6587_d07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_173631

**ORF Size:** 1206 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\\_173631.4](#)

**RefSeq Size:** 2788 bp

**RefSeq ORF:** 1209 bp

**Locus ID:** 284306

**UniProt ID:** [Q8IVP9](#)

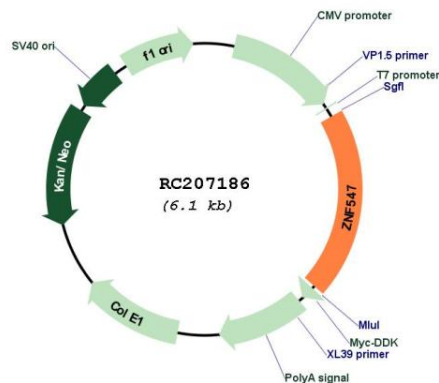
**Cytogenetics:** 19q13.43

**Protein Families:** Transcription Factors

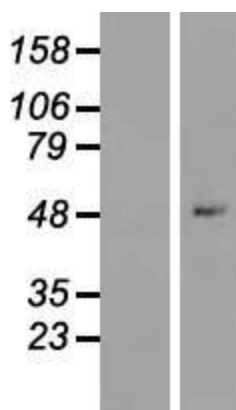
**MW:** 46 kDa

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC207186



Western blot validation of overexpression lysate (Cat# [LY406520]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207186 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).