

## **Product datasheet for RC216051**

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OriGene Technologies, Inc.

## ZNF197 (NM\_001024855) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** ZNF197 (NM\_001024855) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: ZNF197

Synonyms: D3S1363E; P18; VHLaK; ZKSCAN9; ZNF20; ZNF166; ZSCAN41

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC216051 representing NM\_001024855
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGACAAGAGAAAATGTAGCCCACAATGCTCTGAGACAAGAGGGCCTTGTGAAGGGGAAGGATGATACCT
GGAAATGGGGAACCAGCTTCCAAGGAAGTAGCTCCTCTGTTTGGGAGACCTCCCACCTACACTTTAGACA
ATTACGTTACCATGAGACATCTGGACCCCAGGAAGCCCTGAGCCGGCTCAGGGAACTCTGTCGCCGGTGG
CTGAGACCAGAAGCACCCAAGGCACCAAGGCACCAGATCCTGGAGCTGCTGGTGCTGGAGCAGTTTCTGAGCATCC
TGCCTGGGGAGATTCGGACCTGGGTACAGCTCCATCACCCTGGAAGTGGCGAGGAGGCTGTGGCCCTGGT
AGAGGAGCTGCAGAAAGACCTTGATGGACCAGCAATACAAGTTCCAGTCCTTGTCAAGGATCAGGACACT
CTCCAGAAGGTGGTGAGTGCCCCAGGAACAACACTTCCTCCTGTACTTCCTGGCAGCCACATAGCAGCTG
AAATTTGCCCGCATCCTCCTACTGACCTAGTGGCATTCAACCTCCAGGATCCTCAGCATGATTCTCCTGC
CCCTGAAGCTTCTGCCCTTTCCCAGGAAGAAACCCAAGAAATCAATTAATGGCACTTATGCTCCTAACA
GCCCAGCCCCAGGAGTTGGTGATGTTCGAGGAGGTGTCAGTATGCTTCACTTCAGAGGAATTGGCACTTCTGGCCCTTACTCCTAGC
TTGCGCCCAATCCAGAGGGCCTTGTACTGGGATGTGATGCTGGAGAAATTATGGAAATGTGACCTCCCTAGG
TTACAGGAAATACAGGAGGCAGAGAACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC216051 representing NM\_001024855

Red=Cloning site Green=Tags(s)

MTRENVAHNALRQEGLVKGKDDTWKWGTSFQGSSSSVWETSHLHFRQLRYHETSGPQEALSRLRELCRRW LRPEARTKAQILELLVLEQFLSILPGEIRTWVQLHHPGSGEEAVALVEELQKDLDGPAIQVPVLVKDQDT LQKVVSAPGTTLPPVLPGSHIAAEICPHPPTDLVAFNLQDPQHDSPAPEASALSQEENPRNQLMALMLLT AQPQELVMFEEVSVCFTSEEWACLGPIQRALYWDVMLENYGNVTSLGYRKYRRQRNK

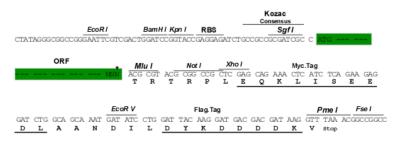
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Chromatograms: <a href="https://cdn.origene.com/chromatograms/ja1263">https://cdn.origene.com/chromatograms/ja1263</a> c07.zip

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001024855

ORF Size: 801 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.

**RefSeq:** NM 001024855.3

**RefSeq Size:** 2965 bp **RefSeq ORF:** 804 bp

 Locus ID:
 10168

 UniProt ID:
 014709

 Cytogenetics:
 3p21.31

**Protein Families:** Druggable Genome, Transcription Factors

MW: 30 kDa

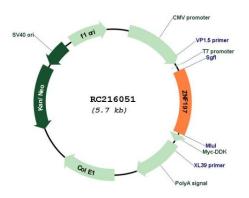
**Gene Summary:** This gene product belongs to the zinc finger protein superfamily, members of which are regulatory proteins characterized by nucleic acid-binding zinc finger domains. The encoded

protein contains 20 tandemly arrayed C2H2-type zinc fingers, a Kruppel-associated box (KRAB) domain, and a SCAN box. This transcript turns over rapidly and contains 3' UTR AUUUA motifs, which are often a hallmark of rapid turnover. It is overexpressed in some thyroid papillary carcinomas. This gene is located in a cluster of zinc finger genes at 3p21. Naturally-occurring readthrough transcription is observed between this gene and the upstream zinc finger protein 660 gene and is represented by GeneID:110354863. [provided]

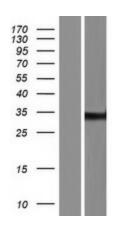
by RefSeq, May 2017]



## **Product images:**



Circular map for RC216051



Western blot validation of overexpression lysate (Cat# [LY422548]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216051 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).