OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG216051

ZNF197 (NM_001024855) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF197
Synonyms:	D3S1363E; P18; VHLaK; ZKSCAN9; ZNF20; ZNF166; ZSCAN41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG216051 representing NM_001024855
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAAGAGAAAATGTAGCCCACAATGCTCTGAGACAAGAGGGCCTTGTGAAGGGGAAGGATGATACCT
GGAAATGGGGAACCAGCTTCCAAGGAAGTAGCTCCTCTGTTTGGGAGACCTCCCACCTACACTTTAGACA
ATTACGTTACCATGAGACATCTGGACCCCAGGAAGCCCTGAGCCGGCTCAGGGAACTCTGTCGCCGGTGG
CTGAGACCAGAAGCACGCACCAAGGCACAGATCCTGGAGCTGCTGGTGCTGGAGCAGTTTCTGAGCATCC
TGCCTGGGGAGATTCGGACCTGGGTACAGCTCCATCACCCTGGAAGTGGCGAGGAGGCTGTGGCCCTGGT
AGAGGAGCTGCAGAAAGACCTTGATGGACCAGCAATACAAGTTCCAGTCCTTGTCAAGGATCAGGACACT
CTCCAGAAGGTGGTGAGTGCCCCAGGAACAACACTTCCTCCTGTACTTCCTGGCAGCCACATAGCAGCTG
AAATTTGCCCGCATCCTCCTACTGACCTAGTGGCATTCAACCTCCAGGATCCTCAGCATGATTCTCCTGC
CCCTGAAGCTTCTGCCCTTTCCCAGGAAGAGAACCCAAGAAATCAATTAATGGCACTTATGCTCCTAACA
GCCCAGCCCCAGGAGTTGGTGATGTTCGAGGAGGTGTCAGTATGCTTCACTTCAGAGGAATGGGCATGTC
TGGGCCCAATCCAGAGGGCCTTGTACTGGGATGTGATGCTGGAGAATTATGGAAATGTGACCTCCCTAGG
TTACAGGAAATACAGGAGGCAGAGGAACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

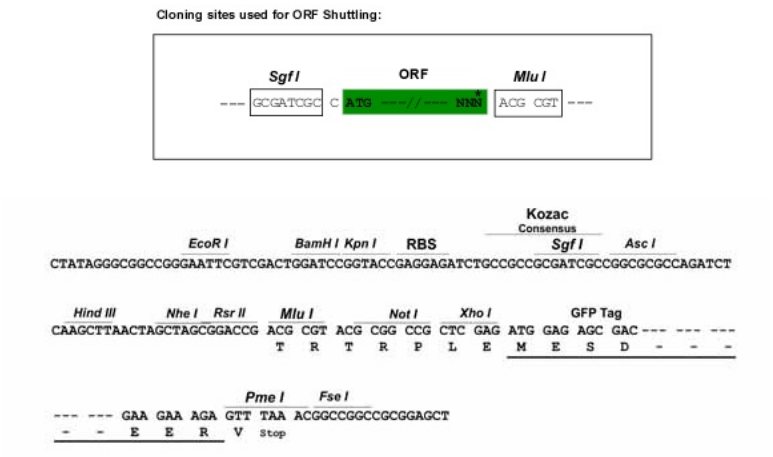
>RG216051 representing NM_001024855
Red=Cloning site Green=Tags(s)

MTRENVAHNALRQEGLVKGKDDTWKWGTSFQGSSSSVWETSHLHFRQLRYHETSGPQEALSRLRELCRRW
LRPEARTKAQILELLVLEQFLSILPGEIRTWVQLHHPGSGEEAVALVEELQKDLDGPAIQVPVLVKDQDT
LQKVVSAPGTTLPPVLPGSHIAAEICPHPPTDLVAFNLQDPQHDSPAPEASALSQEENPRNQLMALMLLT
AQPQELVMFEEVSVCFTSEEWACLGPIQRALYWDVMLENYGNVTSLGYRKYRRQRNK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024855

ORF Size: 801 bp

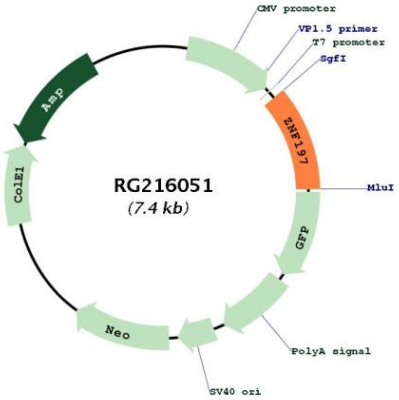
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001024855.3
RefSeq Size:	2965 bp
RefSeq ORF:	804 bp
Locus ID:	10168
UniProt ID:	O14709
Cytogenetics:	3p21.31
Protein Families:	Druggable Genome, Transcription Factors
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 RG216051