

Product datasheet for **RC205197**

ZNF267 (NM_003414) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF267 (NM_003414) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF267
Synonyms:	HZF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC205197 ORF sequence, **codon optimized**.
 Due to the complexity of NM_003414, the ORF clone is codon optimized for mammalian Expression.
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGGTCTTCTGACCTTCCGGGACGTGGCCGTGGAATTTTCATTGGAGGAATGGGAGCACCTGGAGCCAG
 CCCAGAAGAATCTGTATCAAGACGTGATGCTTGAGAATTACAGAAATCTGGTGTCTCTGGGGTTGGTCGT
 AAGTAAACCCGATCTGATCACCTTCTGGAGCAGCGGAAAGAGCCATGGAACGTGAAATCAGAGGAGACT
 GTTGCCATCCAGCCAGATGTGTTTTCTCATTATAACAAAGATCTGCTCACCGAACACTGCACGGAAGCCA
 GTTCCAGAAGGTTATATCTCGGAGACACGGAAGCTGTGACCTCGAAAAATTTGCATTTGCCAAACGATG
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 GAGTCTCCGTCGAAAGCTTGTCCACCAGCAAATCCTTCTCATGCGCCAAGTCTTACAATTTTGACC
 AGTACAGGAAGGTGTTACACACTCTTCCCTTCTTAATCAGCAGGAGGAAATCGATATCTGGGGCAAGCA
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 ATCGGGGAGAAGAACTATCACTGCAACAATAGTGAGAAAACTGAATCAGTCATCAAGTCCAAAAATC
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 TGTCTCAGTCTTCCAACCTCCGGAACAAATTATACACAATGAAGAAAAACCTATAAATGTGAGAAATG
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 AAGTGGAAGGAGTGTGGCAAAGTATTTAATCTTAATTGTAGTCTTACCTGACCAAGCAGCAGCAAAATCG
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 GGTTTGTCTAAATCCTACGCCCCTCCTCAACCTGATTATGCATCAGAGGGTTCATACAGGCGAGAAG
 CCATATAAGTGTAAGAGTGTGGGAAAGTATTCTCCCGCTCATCATGTTTGAATCAGCACCGCAAGATCC
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 GCACGAGCGGATACATACTGGCGAGAAGCCCTATAAGTGCAAAGAATGTGGCAAAGCTTTTCCGTATTCC
 TCTCATCTCATCCGCCACCACCGAATCCATACCGGAGAGAAGCCATATAAGTGTAAGCCTGCTCCAAGA
 GGAGTGTGGAAAGGCCTTTTCTACTCTAGTGATGTGATACAGCACCGACGGATACATACCGGGCAAAGG
 CCATACAAGTGCGAAGAATGCGCAAGGCATTTAACTATAGGTCCTACCTCACAACACATCAGCGGAGTC
 ACACCGGGGAGCGCCCTTACAAGTGTGAAGAGTGCAGTAAAGCATTCAATTCTCGTCTCTACCTGACTAC
 GCACCGCCGACGGCACACCGGCAACGGCCCTACAAATGTGACGAGTGTGGCAAAGCCTTTTCTTACCGA
 TCTTACCTGACTACACCGCCGGTCCCACAGTGGCGAACGGCCCTATAAATGCGAAGAGTGTGGGAAAG
 CCTTTAATTCGGGAGCTACCTTATCGCACACCAGCGCAGCCACACCAGAGAGAAATTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC205197 representing NM_003414
 Red=Cloning site Green=Tags(s)

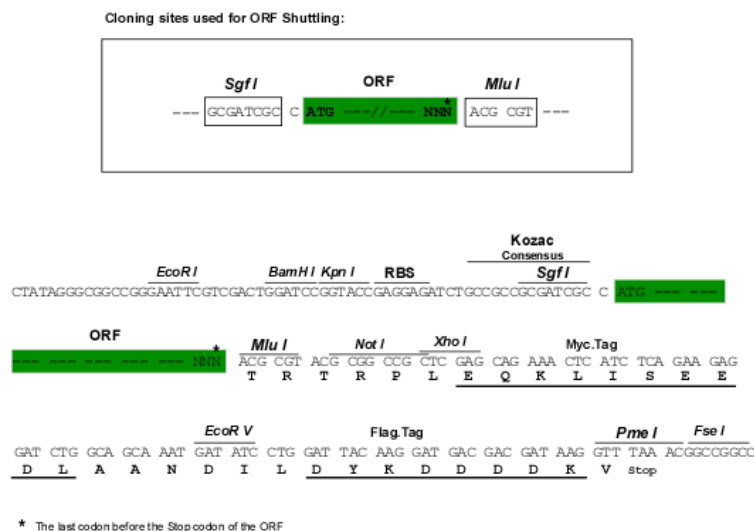
MGLLTFRDVAVEFSLEWEHLEPAQKNLYQDVMLNENYRNLVSLGLVVSKPDLITFLEQRKEPWNVKSEET
 VAIQPDVFSHYNKDLLTEHCTEASFQKVISRRHGSCDLENLHLRKRWKREECEGHNGCYDEKTFKYDQFD
 ESSVESLFHQILSSCAKSYNFDQYRKVFTHSSLLNQEEIDIWGHKHHIYDKTSVLFRQVSTLNSYRNVF
 IGEKNYHCNNSEKTLNQSSSPKNHQENYFLEKQYKCKEFEEVFLQSMHGQEKQEESYKCNKCEVCTQSL
 KHIQHQTIIHIRENSYSYNKYDKDLSQSSNLRKQIIHNEEKPYKCEKCGDSLNLHSLHLTQHQIIPTEEKPY
 KWKECGKVFNLNCSLYLTQQQIDTGENLYKCKACSKSFTRSSNLIVHQRIHTGEKPYKCKECGKAFRCS
 SYLTKHKRIHTGEKPYKCKECGAFNRSSCLTQHQTTHTEKLYKCKVCSKSYARSSNLIMHQRVHTGEK
 PYKCKECGKVFSSSCLTQHRKIHTGENLYKCKVCAKPFCTFNLIVHERIHTGEKPYKCKECGKAFPS
 SHLIRHHRIHTGEKPYKCKACSKSFSDSSGLTVHRRHTGEKPYTCCKEGKAFSSSDVIQHRRIHTGQR
 PYKCEECGKAFNYRSYLTTHQRSHTGERPYKCEECGKAFNSRSYLTTHRRRHTGERPYKCECGKAFSYR
 SYLTTHRRSHSGERPYKCEECGKAFNSRSYLIAHQRSHTREKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

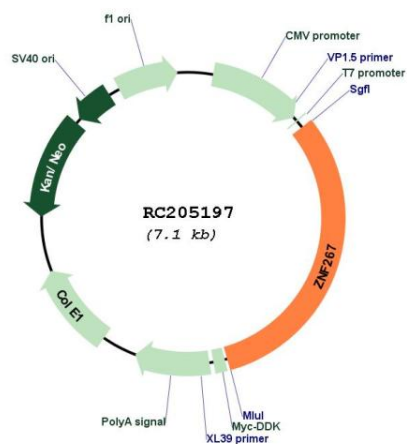
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_003414
ORF Size:	2229 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_003414.1 , NM_003414.2 , NM_003414.3 , NM_003414.4 , NM_003414.5 , NP_003405.2 , NP_003405.3
RefSeq Size:	3268 bp
RefSeq ORF:	2232 bp
Locus ID:	10308
UniProt ID:	Q14586
Cytogenetics:	16p11.2
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
MW:	87.4 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205197