

Product datasheet for **RC206383**

ZNF417 (NM_152475) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZNF417 (NM_152475) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ZNF417 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC206383 ORF sequence, **codon optimized**.
Due to the complexity of NM_152475, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCCGCGGCCCAAGGAGGCCAACACAACAAGGAACAGTGACCTTTGAAGATGTGGCGGTGAATT
 TTTCTCAAGAGGAATGGTGCCTGCTCAGCGAAGCTCAACGGTGCCTCTATAGGGACGTATGCTTGAGAA
 TCTGGCTTTGATCAGCAGTTTGGGGTGTGGTGTGGCAGCAAGGACGAGGAGGCCCTTGAAGCAGCGG
 ATTTCAAGTTCAGCGAGAAAGTCAGAGCCGACACCAAGGGCTGGGGTGAAGCCAAAGAAAGCGCACCCAT
 GCGAGATGTGTGGTCTGATACTGGAGGATGTGTTCCATTTTGTGACCACCAAGAGACACACCACAAGCA
 GAAACTGAATAGATCTGGGGCTTGCAGAAAGAATCTTGACGACACAGCATATCTTACCAACATCAGAAG
 CAACATATAGGAGAGAAGTTTTACCGCAAGTCCGTGCGGGAAGCTAGCTTCGTTAAGAAAAGGAAGTTGA
 GAGTGTACAGGAACCTTTGTTTTCCGGGAATTTGGAAGGACGTCCTCCCAAGCAGCGGACTCTGCCA
 GGAAGCCGCTGCAGTGGAGAAAACCGACTCTGAGACTATGCACGGACCTCCATTCAGGAAGGCAAGACC
 AATTACTCTTGCAGGAAAGCGGACCAAGGCCTTAGCACTAAGCATAGCGTTATCCCCACCAGAAACTGT
 TTACCAGGACGGATGTTACGTGTGTAGTATTGCGGCAAGTCTTTTTCTCGGTATGTCCTTCTCTAA
 CCACCAGAGAGATCACACTGCTAAGGGTCCTTAGACTGTGGCAATGTGGCAAATCTTACAGTCGCAAG
 TCTAGTCTTATCCAGCACCGAGTGCATACAGGAAAGACAGCTTACCCATGTGAGGAGTGCAGCAAAA
 GTTTTTACAGAAAGGATCCTTGATCTCACATCAACGGGTTACACCGGCGAGCGCCCATACGAATGTAG
 GGAGTACGGCAAGTCTTCGCGCCAGAAAGGGAATCTCATACAGCATCAGCAGGGTCATACCGCGAGAGG
 GCATACCACTGTGGTGTGGTGTGGAAAGTCAATCAGGCAAAAGTTCTGCTTATTAAACATCAGCGCGTCC
 ATACCGGTGAAAGACCGTACAAGTGCAGGGAATGTGGGAAGTCTTTTGGACAGAAAGGTAACCTCGTGCA
 ACACCAGCGGGTACACCGGAGAGCGACCATACGAATGTAAGGAGTGCAGTAAGAGTTTTAGATATAGA
 TCTCACCTTACCGAGCATCAGAGGCTGCATACAGGTGAGAGGCCATATAATTGCAGAGAGTGCAGCAAT
 TGTTTAAACCGGAAGTACCACTTGTGTTGCACGAACGGGTACATACGGGTGAGCGCCCATATGCCTGTGA
 GGTTTGCAGAAAGCTTTTCGGCAACAAAATTGCGTGACCATCCACCAGAGGATACACACAGGAGAGAGG
 CCGTACGAGTGAATGAATGCGGCAAGTCAATTTCTGTCCTCTTCCGCTCTGCACGTCCATAAACGGGTGC
 ACAGTGGTCAGAAAGCCGTATAAATGCTCCGAGTGCAGCAATCATTTGCTGAGTGTAGCTCTCTGATCAA
 GCACAGACGATTCACTGGGGAACGCCCTATGAGTGCCTAAATGTGGTAAGACATTTACAGCGGTCC
 TCAACACTTCTGCATCACCAGTCCAGCCACCGGAGAAAGGCGCTG

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206383 representing NM_152475
Red=Cloning site Green=Tags(s)

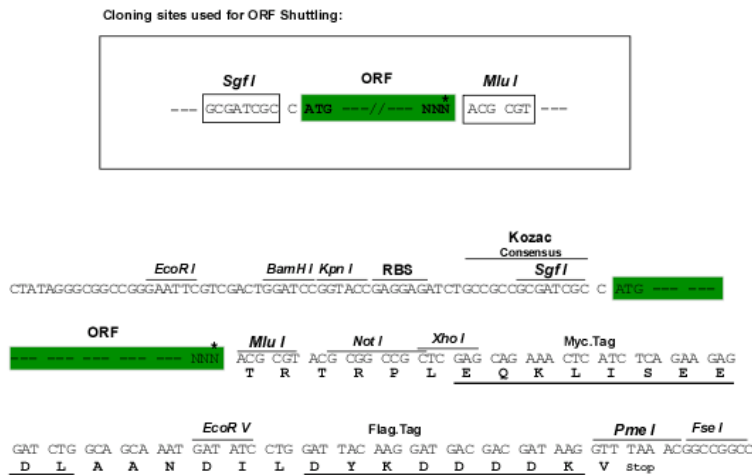
MAAAAPRRPTQQGTVTTFEDVAVNFSQEEWCLLSEAQRCLYRDVMLENLALISSLGWCWCGSKDEEAPCKQR
 ISVQRESQSRTPRAGVSPKKAHPCEMGLILEDVFHFADHQETHHKQKLNRSAGCGKLNDDTAYLHQHQK
 QHIGKEFYRKSAREASFVKKRKLRSVQEPFVREFGKDVLPSSGLCQEA-AAVEKTDSETMHGPPFQEGKT
 NYSCGKRTKAFSTKHSVIPHQKLFTRDGCYVCSDCGKSF SRYVSFSNHQRDHTAKGPYDCGECGKSYSRK
 SSLIQHQRVHTGKTAYPECECGKSF S QKGLISHQRVHTGERPYECREYKGSFGQKGNLIQHQQGHTGER
 AYHCGECGKSF RQKFCFINHQRVHTGERPYKCGECGKSF GQKGNLVQHQRGHTGERPYECKECGKSF RYR
 SHL TEHQRLHTGERPYNCRECGKLFNRKYHLLVHERVHTGERPYACEVCGKLFGNKNCVTIHQRIHTGER
 PYECNECGKSF LSSALHVHKRVHSGQKPYKCECGKSF AECSLLIKHRRHTGERPYECKCGKTFQRS
 STLLHHQSSHRRKAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_152475

ORF Size: 1725 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_152475.1](#), [NM_152475.2](#), [NP_689688.1](#), [NP_689688.2](#)

RefSeq Size: 4685 bp

RefSeq ORF: 1728 bp

Locus ID: 147687

UniProt ID: [Q8TAU3](#)

Cytogenetics: 19q13.43

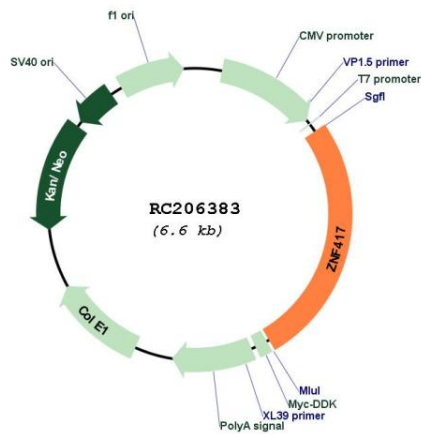
Domains: KRAB, zf-C2H2

Protein Families: Transcription Factors

MW: 65.7 kDa

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

Product images:



Circular map for RC206383