

Product datasheet for RC205661

ZNF444 (NM_018337) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF444 (NM_018337) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF444
Synonyms: EZF-2; EZF2; ZSCAN17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205661 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGTGGCGGTGCCCGTGAAGCAGGAGGCCGAGGGCCTGGCGCTGGACTCCCCGTGGCACCGCTTCC
 GCCGCTTCCACCTGGGCGACGCGCCGGGCCCGGGAGGCGCTGGGGCTGCTCCGCGCCCTGTGCCGGGA
 CTGGCTGCGGCCCGAGGTGCACACCAAGGAGCAGATGTTGGAGCTGCTGGTGTGGAACAGTTCTGAGC
 GCGCTGCCCGCCGACACGCAGGCCTGGGTGTGCAGCCGGCAGCCGAGAGCGGGAGGAGCGGTGGCC
 TGCTGGAGGAGCTCTGGGGGCCAGCAGCCTCCCCGATGGTTCGTCAGCAACGAGGTGCCTCAGGATGT
 GACGCAGGGCCCTGGGGCCACAGGTGAAAGGAGGACAGTGGGATGATTCCCTTAGGCACCGCCCTGGG
 GCTGAGGGGCCGCGCCTGGGGACTCCCAGGCTGTGCGCCCTACAAGCAGGAGCCAGCAGCCCCCGC
 TGGCGCCTGGCCTGCCCGCTTCTAGCGGCCCGGGCACCACGTCTGCCCCGAGTGGCGCAAAACGTC
 CCTGAAACCAGCTCACCTGCTGCGCCACCGGCAGAGCCACTCGGGCGAGAAGCCGACGCTGCCCTGAG
 TGCGGGAAGGCCTTTCGGCGCAAGGAGCACCTGCGGCCACCGGCACGCACCCCGGCAGCCCCGGCA
 GCCCGGGCCCGCGCTGCGCCCTCTGCCCGCCGTGAGAAGCCCCACGCGTGTGCGAGTGTGGCAAGAC
 CTTCTACTGGCGGAGCACCTGGTGCGCCACCGCAAGACGCACTCGGGAGCGCGCCCTTTGCCTGCTGG
 GAGTGTGGCAAGGGCTTCGGGCGCCGCGAGCACGTGCTGCCACCAGCGCATCCACGGCCGGCAGCGG
 CCAGCGCCAGGGGGCGGTAGCTCCGGGCCCGGATGGTGGAGGCCCTTCCCGCCCTGGCCCTTGGGT

AC**GGGCCGCT**CGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

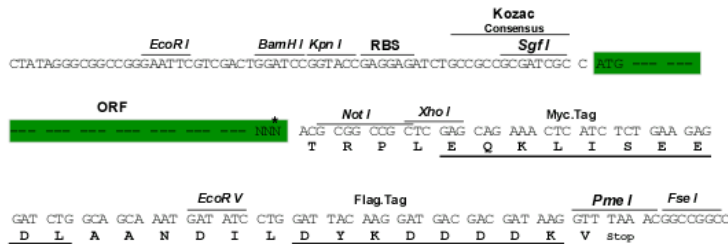
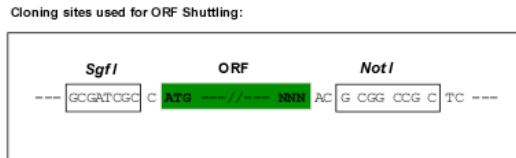
Protein Sequence: >RC205661 protein sequence
Red=Cloning site Green=Tags(s)

```
MEVAVPVKQEAEGALDSPWHRFRRLGDAPGPREALGLLRALCRDWLRPEVHTKEQMLELLVLEQFLS
ALPADTQAWVCSRQPQSGEEAVALLEELWGPAASPDGSSATRVPDVTQGPATGGKEDSGMIPLGTAPG
AEGPAPGDSQAVRPYKQEPSSPLAPGLPAFLAAPGTTSCPECCKTSLKPAHLLRHRQSHSGEKPHACPE
CGKAFRRKEHLRRHRDTHPGSPGSPGALRPLPAREKPHACCECGKTFYWREHLVRHRKTHSGARPFACW
ECGKGFGRREHVLRHQR IHGRAAASAQGA VAPGPDGGGFPFPWPLG
```

TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-NotI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_018337

ORF Size: 1128 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_018337.4](#)

RefSeq Size: 2080 bp

RefSeq ORF: 984 bp

Locus ID: 55311

UniProt ID: [Q8N0Y2](#)

Cytogenetics: 19q13.43

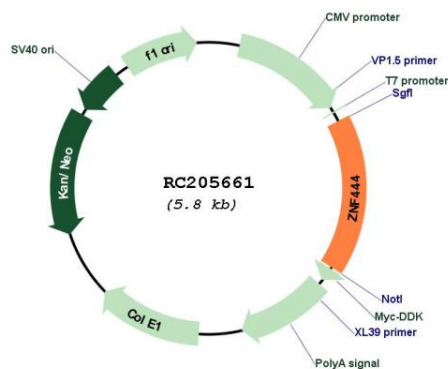
Domains: LER, zf-C2H2

Protein Families: Druggable Genome, Transcription Factors

MW: 35.1 kDa

Gene Summary: This gene encodes a zinc finger protein which activates transcription of a scavenger receptor gene involved in the degradation of acetylated low density lipoprotein (Ac-LDL) (PMID: 11978792). This gene is located in a cluster of zinc finger genes on chromosome 19 at q13.4. A pseudogene of this gene is located on chromosome 15. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC205661