

Product datasheet for **RC233298**

ZNF821 (NM_001201556) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF821 (NM_001201556) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZNF821
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233298 representing NM_001201556
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCGTCGGAAACAGACAAATCCAAATAAAGTTCCTGAGGATCAAGTATTTGCTGGGCTAGAAGAGC
AAGCCCGCCAGGCGATGATGAAACTGATTTTCCTGGAGACCTTGGCAGTCAGCGACAAGCTATCCAACA
ACTAAGAGATCAGGACTCCAGTAGCAGTGACAGTGAGGGTGATGAAGAGGAGACGACACAAGATGAAGTC
TCTTCCACACATCAGAGGAAGATGGAGGGTGGTCAAAGTGGAGAAAGAGTTAGAAAATACAGAACAGC
CTGTTGGTGGGAACGAAGTGGTAGACACGAGGTACAGGGAATTGAATTCTGACCCCTTGCTTGAAC
CTGCCAGTGTCCCCTCTGCCAGCTAGACTGCGGGAGCCGGGAGCAGTTGATTGCTCACGTGTACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233298 representing NM_001201556
Red=Cloning site Green=Tags(s)

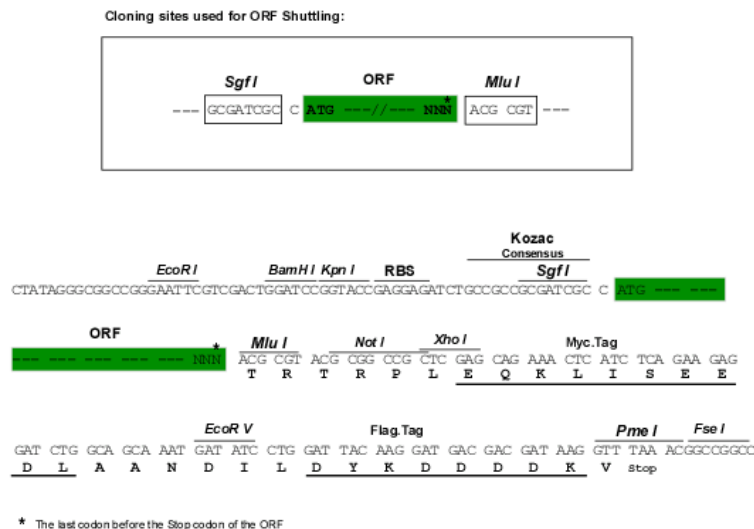
MSRRKQTNPNKVHWDQVFAGLEEQARQAMKTDFFPGLGSQRQAIQQLRDQDSSSDSEGDEEETTQDEV
SSHTSEEDGGVVKVEKELENTEQPVGGNEVVEHEVTGNLNSDPLLELCQCPLCQLDCGSREQLIAHVVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001201556

ORF Size: 417 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_001201556.1](#), [NP_001188485.1](#)

RefSeq Size: 1853 bp

RefSeq ORF: 420 bp

Locus ID: 55565

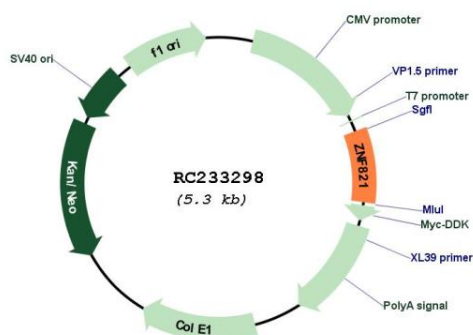
UniProt ID: [O75541](#)

Cytogenetics: 16q22.2

MW: 16 kDa

Gene Summary: This gene encodes a protein with two C2H2 zinc finger motifs and a score-and-three (23)-amino acid peptide repeat (STPR) domain. The STPR domain of the encoded protein binds to double stranded DNA and may also contain a nuclear localization signal, suggesting that this protein interacts with chromosomal DNA. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RC233298