

Product datasheet for **RC239115**

ZNF221 (NM_001297588) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF221 (NM_001297588) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF221
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC239115 representing NM_001297588
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATTTACCTTCACCTTGAAGTCTTCATTGAGTCTGCAAAATCCCTGAAGTAGAAGGAAAAATGA
 CCACATTCAAAGAGGCAGTGACATTCAAGGATGTGGCTGTGGTCTTCACTGAGGAGGAGCTGGGGCTGCT
 GGACCCTGCCAGAGGAAGCTGTACCGAGATGTGATGCTAGAGAATTCAGGAACCTGCTCTCAGTAGGG
 AATCAACCATTCCACCAAGATACTTTCACTTCTTAGGGAAGGAAAAATTTTGAAGATGAAGACAACAA
 GCCAAAGAGAAGGAATTCAGGAGGCAAGATCCAAATTGAGATGGAGACTGTTCCAGAAGCAGGACCACA
 TGAAGAGTGGTCTGTGAGCAAAATATGGGAACAAATTGCAAGTGACCTAACCAAGTCTCAAACTCCATA
 AGGAACAGCTCTCAGTTCTTCAAGAAGGTGATGTCCCTGCCAGATTGAGGCAAGACTATCTATAAGTC
 ACGTGCAACAGAAACCTTACCGTTGTATGAATGTAACAGTCTTCAGTGATGTTTCTGTCTTTGATCT
 TCATCAACAATCACACTCAGGAGAGAAATCTCATACATGTGGTGAGTGTGAAAAAGCTTCTGTTACAGC
 CCAGCCCTTCATATTCATCAGAGAGTCCATATGGGAGAAAAATGCTATAAGTGTGATGTGTGTGGTAAGG
 AATTTAATCAGAGCTCACATCTGCAAACTCATCAGAGAGTCCATACTGGAGAGAAACCATTCAAATGTGG
 GCAATGTGGGAAAGGCTTCCATAGTAGATCAGCACTTAATGTTTCATTGCAAAATGCACACAGGAGAGAAA
 CCTTATAATTGTGAGGAATGTGGGAAAGCCTTCATTATGATTACAGCTTCAAGAACATCAGAGAATCC
 ATACTGGGAGAGCCATTCAAATGTGATATATGTGGTAAGAGCTTCCGTGTAGATCAAGACTTAATAG
 GCATTCATGGTTACACAGGAGAAAAACCATTCAGATGTGATACATGTGGCAAGAACTTTCGTGAGAGA
 TCAGCACTTAATAGTCATTCCATGGTCCACATAGAAGAGAAGCCATACAAATGTGAGCAATGTGAAAAAG
 GCTTCATTTGTAGGCGAGATTTTGTAGCATCAGATGGTCCACACAGGAGAGAAACCATATAATTGTAA
 AGAATGTGGGAAGACCTTCAGATGGTCCCTCATGTCTTTTGAACCATCAGCAAGTCCACAGTGGACAAAA
 TCCTTCAAATGTGAAGAATGTGGGAAGGATTTTATACAAATTCACGACGATCTTCCCATCAGAGATCCC
 ACAATGGAGAAAAACCATATACTGTGAGGAGTGTGGTAAGGACTATAAAGGAGGTTGGATCTTGAGTT
 TCACCAGAGGGTCCACACGGGTGAGAGACCCTATAATTGTAAGGAATGTGGCAAGAGCTTTGGCTGGGCC
 TCCTGTCTTTTGAACATCAGAGACTCCACAGTGGGAAAAACCTTTCAAATGTGAAGAGTGTGGAAGA
 GATTTACTCAGAGTTCACAACTTCATTCATCAGACATGCCATACTGGAGAAAAGCTATACAAATGTGA
 GCAGTGTGAGAAGGGGTACAACAGTAAATTTAATCTTGACATGCACCAGAGGGTCCACGGGGGAGAGCGA
 CCCTATAATTGTAAGGAATGTGGAAGAGCTTTGGCTGGGCTTCATGTCTTTTGAACATCAGAGACTCC
 ACAGTGGAGAAAAAGCCATTGAAATCTGGAGTGTGGGAAGAGATCTACTCAGAATTCACAGCTTCATTAC
 ATCAGTAAGTCTATGTGGGAGAAAAAGCCATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

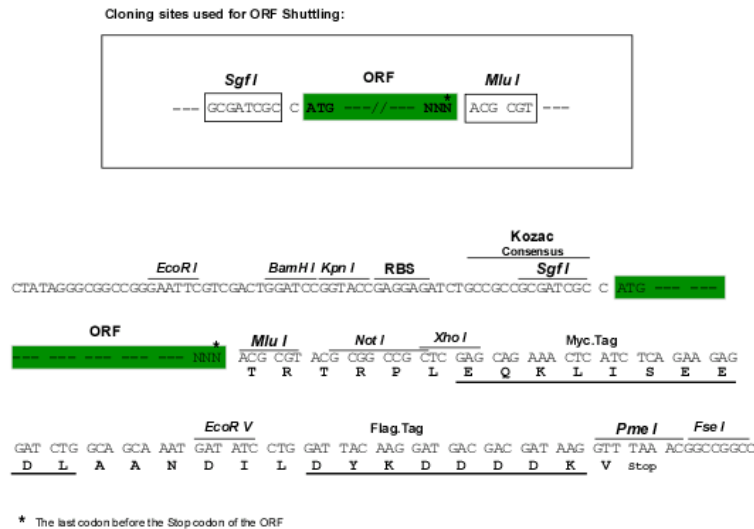
>RC239115 representing NM_001297588
 Red=Cloning site Green=Tags(s)

MISPSLELLHSLGCKFPEVEGKMTTFKEAVTFKDVAVVFTEEELGLLDPAQRKLYRDVMLENFRNLLSVG
 NQPFHQDTFHLGKEKFWKMKTTTSQREGNSGGKIQIEMETVPEAGPHEEWSCQQIWEQIASDLTRSQNSI
 RNSSQFFKEGDVPCQIEARLSISHVQKPYRCNECKQSFSDVSFVLDLHQQSHSGEKSHTCGECGKSFCYS
 PALHHIQRVHMGEKCYKCDVCGKEFNQSSHLQTHQRVHTGEKPFKCGQCGKGFHSRSALNVHCKLHTGEK
 PYNCEECGKAFIHDSQLQEHQRIHTGEKPFKCDICGKSFRVRSRLNRHSMVHTGEKPFRCDTCKGNFRQR
 SALNSHSMVHIEEKPYKCEQCGKGFICRRDFCKHQMVTGEKPYNCKEKGKTFRWSSCLLNHQVHSGQK
 SFKCEECGKGFYNSRRSSHQRSHNGEKPYNCEECGKDYKRRDLDFHQRVHTGERPYNCKEKGKSGFWA
 SCLLKHQRLHSGEKPFCCEECGKRFTQSSQLHSHQTCHTGEKLYKCEQCEKGYNSKFNLDMMHQRVHGGER
 PYNCKEKGKSGFWASCLLKHQRLHSGEKLKSGVWEEIYSEFTASFTSVSLCGRKAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001297588

ORF Size: 1851 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_001297588.2](#)

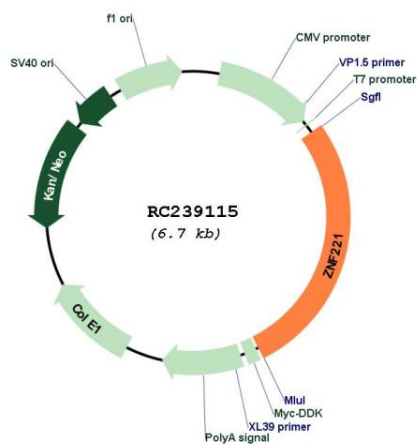
RefSeq Size: 2278 bp

RefSeq ORF: 1854 bp

Locus ID: 7638

UniProt ID: [Q9UK13](#)
 Cytogenetics: 19q13.31
 MW: 71.6 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239115