

Product datasheet for **RC228548**

ZNF611 (NM_001161500) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF611 (NM_001161500) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF611
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC228548 ORF sequence, **codon optimized**.
 Due to the complexity of NM_001161500, 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCGGGAAGAGGCAGCACAGAAACGCAAGGGCAAGGAACCCGGAATGGCCCTGCCGAGGGTCGCC
 TGACCTTCGGGATGTTGCTATCGAGTTTTCACTGGCAGAGTGGAAGTGTCTCAACCCAGCCAGAGAGC
 CCTTTATCGGGAAGTCATGCTGGAGAATACAGGAACCTTGAAGCGGTGGACATTTCCAGTAAGTGCATG
 ATGAAGGAGGTTCTCAGTACAGGACAGGAAATACGGAGTTATACACACCGGTACTCTGCAGAGGCAGC
 AGTCCCATCACATTGGCGACTTCTGTTTCCAGGAAATAGAGAAGGAGATACATGACATCGAGTTCAGTG
 TCAAGAAGACGAACGCAACGGACTGGAGGCCCCATGACTAAGATCAAGAAGCTCACTGGATCAACAGAC
 CAGCACGACCACCAGACGCGGGCAATAAGCCATCAAAGACCAGCTCGGGTCCAGCTTTTACTCACATC
 TGCTGAACTTCACATCTTTCAGATTAAGGGGAAATTGGGAACCAAGTGGAGAAATCCACAAACGACGC
 CCCATCCGTGTCCACCTTCCAGCGGATCTCTGCAGGCCGAGACTCAATCTCTAATAACTACGGTAAT
 AATCCATTGAACAGCTCTCTGCTTCCAGAACGAGGAGTACATATGCGAGAGAAAAGCTTCCAGTGTA
 ATAAGTCCGAAAGGCTTTTAACTGCTCCAGCCTGTTGAGGAAACACCAGATACACATCTCGGAGACAA
 GCAGTACAAATGTGATGTGTGCGGAAATTTGTTCAATCATGAACAATATCTGGCTTGTACGATGGTGC
 CACACAGTGGAAGCCCTATAAATGTAAGGAGTGGTAAGACATTTAGTCAGGAGTCTAGTCTTACAT
 GTCATAGACGCTGCACACCGGTGTTAAGAGGTACAATTGCAATGAATGCGGTAAGATCTTCGGACAGAA
 TTCAGCCCTCTTATTGACAAAGCCATAGACACCGGGGAAAATCCATACAAGTGAACGAGTGTGACAAA
 GCGTTCAACCAACAGTCACAGCTGCACATCATCGGATCCACACCGGAGAGAAGCCTTACAAATGTGAGG
 AATGCGACAAAGTCTTCTCCAGAAAGTCCACCATCGAACTCACAAACGAATTCACACAGGAGAGAAACC
 CTACCGGTGTAAGTTTGTGATACAGCCTTACATGGCACTCTCAATTGGCTAGGCACAGACGGATCCAT
 ACGGCAAAGAAGACCTATAAGTGAACGAATGCGGAAAAACATTCTCACACAAAAGCAGTCTCGTGTGC
 ATCACAGGCTTTCATGGCGGAGAGAAGTCATATAAGTGCAAGGTGTGCGATAAGGCTTTTGTGGTCCAG
 TCAGCTTGCAAAGCACACCAGGATCGATTGCGGAGAAAAACCTTATAAATGTAACGAGTGTGAAAGACC
 TTTGGCCAAAACAGCGATCTGTTGATACACAAATCAATCCACACCGGAGAGCAACCGTACAAGTGTGATG
 AGTGTGAAAAGGTGTTTTCTCGAAAATCTAGCCTGGAGACACACAAAATTGGACACACCGGTGAGAAGCC
 CTATAAATGCAAAGTGTGTGACAAAGCATTGCTTGTCACTCCTATTTGGCCAAACACACGGAATTCAC
 TCAGGCGAAAAGCCATACAAATGCAACGAATGCTCTAAGACCTTTTCCACCGATCCTATCTCGTCTGCC
 ACCATAGAGTTCACTCCGGAGAAAAGCCATACAAATGTAACGAGTGCAGCAAGACATTTAGCCGGAGGAG
 CAGCCTGCACTGCCATCGGAGACTGCACAGCGGGGAAAAGCCCTACAAATGCAACGAGTGTGGCAACACT
 TTCAGGCACTGTTCTTCTGTATCTACCACCGCAGACTGCATACTGGGAAAAGTCTTATAAATGTACGA
 TTTGTGATAAAGCCTTTGTGAGAACTCTTCTTTCTCGCCATACTAGGATCCATACGGCAGAGAAGCC
 TTACAAGTGAATGAATGCGGGAAGGCCTTCAACCAGCAGTCTCACCTGTCCCGACATCACAGAATTCAT
 ACGGGCGAGAAGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228548 representing NM_001161500
 Red=Cloning site Green=Tags(s)

MLREEAAQKRKGKEPGMALPQGRLTFRDVAIEFSLAEWKCLNPSQRALYREVMLENYRNLEAVDISSKCM
 MKEVLSTGGNTEVIHTGTLQRHESHHIGDFCFQEIEKEIHDIEFQCQEDERNGLEAPMTKIKKLTGSTD
 QHDDRHAGNKPIKDQLGSSFYSHLPELHIFQIKGEIGNQLEKSTNDAPSVSTFQRIISCRPQTQISNNYGN
 NPLNSSLLPQKQEVHMREKSFQCNKSGKAFNCSSLLRKHQIPHLGDKQYKCDVCGKLFNHEQYLACHDRC
 HTVEKPYKCKEKGKTFSEQSSLTCHRRRLHTGVKRYNCNECGKIFGQNSALLIDKAIDTGENPYKCECDK
 AFNQSSQLSHRRIHTGEKPYKCECDKVF SRKSTIETHKRIHTGEKPYRCKVCDTAFTWHSQARHRIH
 TAKKTYKNECGKTF SHKSSLVCHHRLHGGEKSYCKVCDKAFVWSSQLAKHTRIDCGEKPYKNECGKT
 FGQNSDLLIHKSIHTGEQPYKCECEKVF SRKSSLETHKIGTGEKPYKCKVCDKAFACHSYLAKHTRIH
 SGEKPYKNECSKTF SHRSYL VCHHRVHSGEKPYKNECSKTF SRRSSLHCHRRLSGEEKPYKNECGNT
 FRHCSSLIYHRRRLHTGEKSYKCTICDKAFVRNLLSRHTRIHTAEKPYKNECGKAFNQQSHLSRHRIH
 TGEKP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001161500

ORF Size: 2115 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_001161500.1](#), [NP_001154972.1](#)

RefSeq Size: 4417 bp

RefSeq ORF: 2118 bp

Locus ID: 81856

UniProt ID: [Q8N823](#)

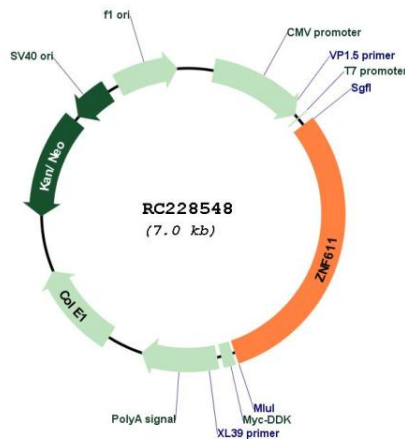
Cytogenetics: 19q13.41

Protein Families: Transcription Factors

MW: 81.4 kDa

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

Product images:



Circular map for RC228548