

Product datasheet for **RC205531**

ZNF680 (NM_178558) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF680 (NM_178558) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF680
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205531 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAGGACCACCTGGAAGCCTAGAAATGGGACCACTGACATTTAGGGATGTGGCCATAGAATTCTCTC
 TGGAGGAGTGGCAATGCCTGGACACTGCACAACCGAATTTATATAGGAAAGTGATGTTTGAGAACTACAG
 AAACCTGGTCTTCTGGGTATTGCTGTCTCTAAGCCTCACCTGATAACCTGTTTGGAGCAAGGAAAAGAG
 CCCTGGAATAGGAAGAGACAGGAGATGGTAGCCAAACCCCAAGTTATATATTCTCATTCTCACTGAAGACC
 TTTGGCCAGAGCATAGCATAAAAGATTCTTTCAAAAAGTGATACTGAGAGGATATGGAAAATGTGGACA
 TGAGAATTTACAATTAAGAATAAGTTGTAAGAGTGTGGATGAGTCTAAGGTGTTCAAAGAAGTTATAAT
 GAACCTAACCAATGTTTGAAGTACCCAGAGCAAAAATTTCAATGTGATAAATACGTGAAAGTCTTTC
 ATAAATTTTCAAATTCAAACAGTCATAAGAAAAGAAAATACTGGAAAGAAGTTTTCAAATGTAAGAATG
 TGGCAAATCATTTTGCATGCTTTTACATCTAACACAACATATAAGAATTCACACTAGAGAGAATTTCTTAC
 AAATGTGAGGAATGTGGCAAAGTCTTAACTGGTTCTCAGAGCTTATAAACATAAGGGAATTCATATGG
 GAGAGAAAACCTACAAAATGTGAGGAATGTGGCAAAGCCTTTAACCAATCCTCAACCCTTATTAACATAA
 GAAAATTCATATTTGAAGAGAAAACCTTCAAATGTGAAGAATGTGGCAAAGCCTTTAGTTTATTCTCAATC
 CTTAGTAAACATAAGATAATTCATACTGGAGACAAACCTTACAAAATGTGATGAATGTCACAAAGCCTTTA
 ACTGGTTTGAACCCCTTACTAACCATAGAGAATTCATACTGGAGAGAAAACCCCTTCAAATGTGAAGAATG
 TGGCAAAGCCTTAAACAGTTTTCAAACCTTACTAAACATAAGAAAATTCATACTGGAGAGAAAACCCCTAC
 AAATGTGAAGAATGTGGCAAAGCCTTTAAACAGTTTTGCAAACCTTACTAGACATAAGAAAATTCATACTG
 GAGAAATTCATACTGGAGAGAAAACCTACAAAATGTGAAGAATGTGGCAAAGCCTTTTAAATGGGTGCTCCAGC
 CTTACTCGACATAAGAGAATTCACACTAGAGAGAAATACCTACAAAATGTGAAGAATGTGGCAAAGCCTTTA
 CTTTATTTTCAACCCCTTACTAACCATAAAGTAATTCATACTGGAGAGAAAATCCTACAAAATGTGATGAATG
 TGGCAATGTTTTTAACTGGCCTGCAACTCTTGCTAATCATAAGAGAATTCATGCTAGAGAGAAAACCCCTAC
 AAATGTGAAGAATGTGGCAAAGCCTTTAAACGGTCTCACACCTTACTAGACATAAGAAAATTCATACTG
 GTGAGAAAATCTACAAAACCTGAAAATGCGACGATAATTTTGATAACACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205531 protein sequence
 Red=Cloning site Green=Tags(s)

MPGPPGSLEMGPLTFRDVAIEFSLEEWQCLDTAQRNLYRKVMFENYRNLVFLGIAVSKPHLITCLEQKKE
 PWNRRKRQEMVAKPPVIYSHFTEDLWPEHSIKDSFQKVILRGYKCGHENLQLRISCKSVDESKVFKEGYN
 ELNQCLRTTQSKIFQCDKYVKVFKF SNSNSHKKRNTGKVKFKCECGKSF CMLSHLTQHRIHTRENSY
 KCEECGKVLNWFSEL IKHKGIHMGEKPYKCEECGKAFNQSTL IKHKIHIIEEKPFCCEECGKAFSLFSI
 LSKHKI IHTGDKPYKDECHKAFNWFATLTNHKRIHTGEKPFKCEECGKGFNQF SNLTKHKIHTGEKPY
 KCEECGKAFNQFANLTRHKIHTGEKSYKCEECGKAFIQSSNLTEHMRIHTGEKPYKCEECGKAFNGCSS
 LTRHKRIHTRENTYKCEECGKGFSTLSTLNHKVIHTGEKSYKCEECGNVFNWPA TLANHKRIHAREKPY
 KCEECGKAFNRSSHLTRHKIHTGEKLYKPEKDDDFDNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6316_d08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_178558

ORF Size: 1590 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_178558.3](#)

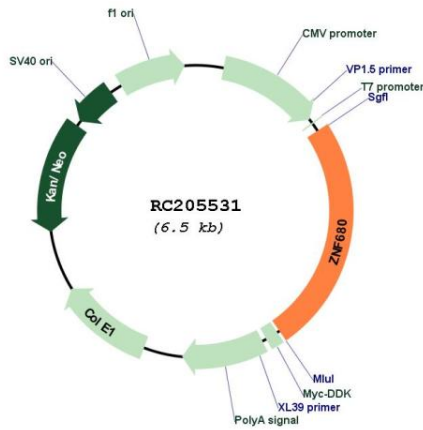
RefSeq Size: 3050 bp

RefSeq ORF: 1593 bp

Locus ID: 340252

UniProt ID: [Q8NEM1](#)
 Cytogenetics: 7q11.21
 Protein Families: Transcription Factors
 MW: 61.7 kDa
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205531