

Product datasheet for **RG205531**

ZNF680 (NM_178558) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZNF680 (NM_178558) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | ZNF680 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RG205531 representing NM_178558
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCAGGACCACCTGGAAGCCTAGAAATGGGACCACTGACATTTAGGGATGTGGCCATAGAATTCTCTC
 TGGAGGAGTGGCAATGCCTGGACACTGCACAACCGAATTTATATAGGAAAGTGATGTTTGAGAACTACAG
 AAACCTGGTCTTCTGGGTATTGCTGTCTCTAAGCCTCACCTGATAACCTGTTTGGAGCAAGGAAAAGAG
 CCCTGGAATAGGAAGAGACAGGAGATGGTAGCCAAACCCCAAGTTATATATTCTCATTCTCACTGAAGACC
 TTTGGCCAGAGCATAGCATAAAAGATTCTTTTCAAAAAGTGATACTGAGAGGATATGGAAAATGTGGACA
 TGAGAATTTACAATTAAGAATAAGTTGTAAGAGTGTGGATGAGTCTAAGGTGTTCAAAGAAGTTATAAT
 GAACCTAACCAATGTTTGGAGAACTACCCAGAGCAAAAATTTCAATGTGATAAATACGTGAAAGTCTTTC
 ATAAATTTTCAAATTCAAACAGTCATAAGAAAAGAAAATACTGGAAAGAAGTTTTCAAATGTAAGAATG
 TGGCAAATCATTTTGCATGCTTTTACATCTAACACAACATATAAGAATTCACACTAGAGAGAATTTCTTAC
 AAATGTGAGGAATGTGGCAAAGTCTTAACTGGTTCTCAGAGCTTATAAACATAAGGGAATTCATATGG
 GAGAGAAAACCTACAAAATGTGAGGAATGTGGCAAAGCCTTTAACCAATCCTCAACCCTTATTAACATAA
 GAAAATTCATATTTGAAGAGAAAACCTTCAAATGTGAAGAATGTGGCAAAGCCTTTAGTTTATTCTCAATC
 CTTAGTAAACATAAGATAATTCATACTGGAGACAAACCTTACAAAATGTGATGAATGTCACAAAGCCTTTA
 ACTGGTTTGAACCCCTTACTAACCATAGAGAATTCATACTGGAGAGAAAACCCCTCAAATGTGAAGAATG
 TGGCAAAGGCTTAAACAGTTTTCAAACCTTACTAAACATAAGAAAATTCATACTGGAGAGAAAACCCCTAC
 AAATGTGAAGAATGTGGCAAAGCTTTTAAACAGTTTGAACCTTACTAGACATAAGAAAATTCATACTG
 GAGAGAAATCCTACAAAATGTGAAGAATGCGGCAAAGCTTTTATACAGTCCCTCAAACCTTACTGAACAT
 GAGAATTCATACTGGAGAGAAAACCTACAAAATGTGAAGAATGTGGCAAAGCTTTTAAATGGGTGCTCCAGC
 CTTACTCGACATAAGAGAATTCACACTAGAGAGAAATACCTACAAAATGTGAAGAATGTGGCAAAGGCTTTA
 CTTTATTTTCAACCCCTTACTAACCATAAAGTAATTCATACTGGAGAGAAAATCCTACAAAATGTGATGAATG
 TGGCAATGTTTTTAACTGGCCTGCAACTCTTGCTAATCATAAGAGAATTCATGCTAGAGAGAAAACCCCTAC
 AAATGTGAAGAATGTGGCAAAGCTTTTAAACGGTCTCACACCTTACTAGACATAAGAAAATTCATACTG
 GTGAGAAACTCTACAAACCTGAAAATGCGACGATAATTTTGATAACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205531 representing NM_178558
 Red=Cloning site Green=Tags(s)

MPGPPGSLEMGPLTFRDVAIEFSLEEWQCLDTAQRNLRYKVMFENYRNLVFLGIIVSKPHLITCLEQKKE
 PWNRRKQEMVAKPPVIYSHFTEDLWPEHSIKDSFQKVIILRGYKCGHENLQLRISCKSVDESKVFKEGYN
 ELNQCLRTTQSKIFQCDKYVVKVFKF SNSNSHKKRNTGKKVFKCKEKGKSF CMLSHLTQHRIHTRENSY
 KCEECGKVLNWFSEL IKHKGIHMGEKPYKCEECGKAFNQSS TL IKHKKIHIIEEKPFKCEECGKAFSLFSI
 LSKHKI IHTGDKPYKCDCHKAFNWFATL TNHKRIHTGEKPFKCEECGKGFNQF SNLTKHKKIHTGEKPY
 KCEECGKAFNQFANL TRHKKIHTGEKSYKCEECGKAFIQSSNL TEHMRIHTGEKPYKCEECGKAFNGCSS
 LTRHKRIHTRENTYKCEECGKGF TLFSTL TNHKVIHTGEKSYKCDCEGNVFNWPATLANHKRIHAREKPY
 KCEECGKAFNRSSHL TRHKKIHTGEKLYKPEKDDNFNT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.

RefSeq: [NM_178558.3](#)

RefSeq Size: 3042 bp

RefSeq ORF: 1593 bp

Locus ID: 340252

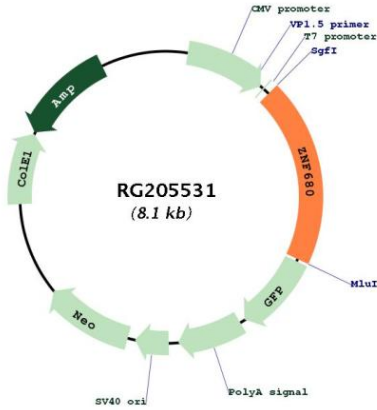
UniProt ID: [Q8NEM1](#)

Cytogenetics: 7q11.21

Protein Families: Transcription Factors

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

Product images:



Circular map for RG205531