

Product datasheet for **RC223436**

ZNF600 (NM_198457) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF600 (NM_198457) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF600
Synonyms:	KR-ZNF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC223436 ORF sequence, **codon optimized**.
 Due to the complexity of NM_198457, 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)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGAAGGAAGTGCTGTCCACCGGGCAAGGGAACACGGAGTTATCCACACAGGTACCCTGCAAAGAT
 ATCAAAGCTACCACATTGGAGATTTTGTTCAGGAAATAGAGAAGGAGATCCATGATATCGAGTTCCA
 GTGCCAGGAGGACGAACGAATGGTCACGAGGCTCCTATGACAAAAATCAAGAACTACCGGCTCAACG
 GATCAGCACGACCATAGGCATGCGGGCAATAAGCCTATTAAGACCAGCTTGGCTCCTCATTTTATTCAC
 ATCTGCCCGAGCTGCATATTATACAAATTAAGGGAAGATCGGAAATCAGTTCGAGAAATCTACAAGTGA
 CGCCCCTAGTGTAAGCACCAGTCAACGAATCTCTCCCGCCCTCAGATTCATATCTTAATAACTATGGC
 AACAACTACCAAACCTCTCTGCTGCCCAAAAAACAAGAAGTATACATGCGAGAGAAGAGTTTCCAAT
 GTAACGAGAGTGGCAAGGCCTTTAACTGCTCAAGCCTCTTGCGCAAAACACCAGATTCTCACCTGGGTGA
 CAAACAGTACAAGTGGCAGCTGTCGGTAAGTTGTTCAACCATAAACAGTACCTGACGTGCCATAGGAGG
 TGTCATACTGGGAAAAACCTTACAAGTGCAACGAGTGTGGGAAGTCTTCAGTCAAGTGAGTTCTCTCA
 CATGCCATAGACGCTTACACCGCTGTCAAAGGCCACAAATGCAATGAATGTGGCAAGATTTTGGCCA
 AAATTCGCACTGGTTATTACAAAGGCCATCCATACTGGCGAAAAGCCATATAAGTGTAAAGAGTGCGAT
 AAAGCCTTTAAACCAACAGTCCAACCTCGCGCGGCACCGCGGATCCACACTGGGGAAAAACCATATAAGT
 GCGAGGAATGCGACAAGTTTTCAGCCGAAATCTACACTGGAAGTCATAAGCGCATTACACCGGCGA
 GAAGCCCTACAAGTGCAAGGTCTGTGACACAGCCTTCACTTGAATAGTCAGTGGCTCGACACAAACGA
 ATACATACTGGCGAGAAGACCTATAAATGTAATGAATGTGGAAGACCTTAGTCACAAGAGCTCACTTG
 TCTGCCACCACAGGCTGCACGGCGGCGAGAAGTCTTACAAGTGAAGGTGTGCGACAAGGCATTTGCCTG
 GAACTCTACCTCGTCCGACATACCAGAATACATTCTGGTGGAAGCCATATAAGTGCAATGAGTGTGGG
 AAAACCTTTGGTCAGAATAGCGACTTGCTGATCCACAAGAGCATCCACACTGGCGAGCAGCCATACAAGT
 ACGAGGAATGTGAAAAAGTGTTCAAGTTGTGGGTCTACATTGGAACTCATAAAATCATTACACCGGTGA
 GAAACCGTACAAATGCAAGTCTGCGACAAGGCTTTTGCCTGTATAGCTATCTGGCCAAACATACTAGG
 ATACACTCAGGCGAAAAGCCCTACAAGTGAACGAGTGCAGCAAGACGTTTCGCCTCCGAAGTTACCTTG
 CTTCTCACAGGCGAGTGATTCTGGCGAGAAACCGTACAAGTGAATGAATGCAGTAAAACATTTTCTCA
 ACGGTCTTATTTGCATTGTATCGCCGACTTCACAGCGGCGAAAAACCTATAAGTGCAATGAGTGGGA
 AAGACCTTTAGCCACAAGCCTTCACTGGTCCACCACAGGAGACTGCACACAGGCGAAAAAGCTACAAGT
 GTACAGTTTGTGACAAAGCCTTCGTGCGGAACTCCTATCTCGCTCGACACAGGAGATCCACACCGCCGA
 GAAGCCTTACAAATGCAACGAGTGGGAAAAGCCTTCAACCAGCAGAGTCAGCTCAGCTTGATCATAGA
 GTCCACGCGGCGAGAAGCTCTACAAGTGTGAAACCTGCGACAAAGTGTCTCCGAAAAATCCCACCTTA
 AGAGGCACCGAAGGATTACCCCGGCAAGAAACCTATAAGTGCAAGGTCTGTGATAAAACATTCCGGATC
 TGATAGCCACCTTAAGCAGCATACAGGCTGCACACAGGCGAGAAGCCATACAAATGTAATGAGTGCGGC
 AAAGCATTTAGTAAGCAGAGTACACTGATTACCACCAGGCAGTTCACGGGTGGGAAGCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223436 representing NM_198457
 Red=Cloning site Green=Tags(s)

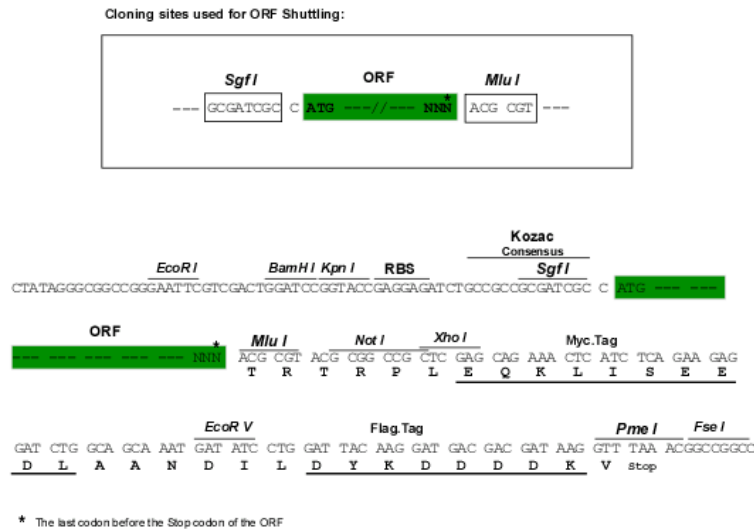
MMKEVLSTGQGNTTEVIHTGTLQRYQSYHIGDFCFQEIEKEIHDIEFQCQEDERNGHEAPMTKIKKLTGST
 DQHDHRHAGNKPIKDLGSSFYSHLPELHIIQIKGKIGNQFEKSTSDAPSVSTSQRISPRPQIHISNNYG
 NNSPNSLLPQKQEVYMRKSFQCNESGKAFNCSSLLRKHQIPHLGDKQYKCDVCGKLFNHKQYLTCHRR
 CHTGEKPYKCNECGKSFQVSSLTCHRRLLHTAVKSHKCNECGKIFGQNSALVIHKAHTGEKPYKCNECD
 KAFNQQSNLARHRRHTGEKPYKCECDKVF SRKSTLESHKRIHTGEKPYCKVCDTFTWNSQLARHRR
 IHTGEKTYKCNECGKTF SHKSSLVCHHRLHGGEKSYCKVCDKAFANSHLVRHTRIHS GGKPYKCNECG
 KTFGQNSDLLIHKSIHTGEQPYKYEECEKVFSCGSTLETHKIIHTGEKPYCKVCDKAFACHSYLAKHTR
 IHSGEKPYKCNECSKTFRLRSYLASHRRVHSGEKPYKCNECSKTF SQRSYLHCHRRLHSGEKPYKCNECG
 KTF SHKPSLVHHRRLHTGEKSYCTVCDKAFVRNSYLARHTRIHTAEKPYKCNECGKAFNQSQLSLHHR
 VHAGEKLYKCETCDKVF SRKSHLKRHRRHHPGKPYCKVCDKTFGSDSHLKQHTGLHTGEKPYKCNECG
 KAFSKQSTLIHHQAVHGVGKLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_198457

ORF Size: 2166 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_198457.1](#), [NM_198457.2](#), [NM_198457.3](#), [NP_940859.1](#)

RefSeq Size: 3239 bp

RefSeq ORF: 2169 bp

Locus ID: 162966

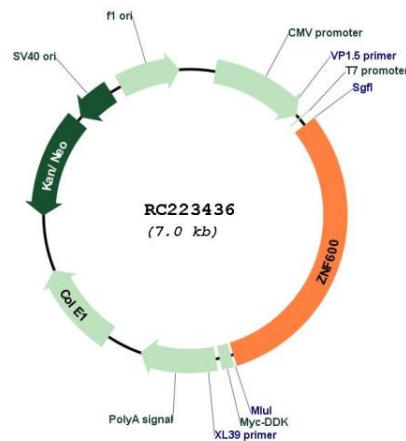
UniProt ID: [Q6ZNG1](#)

Cytogenetics: 19q13.41

MW: 83.2 kDa

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

Product images:



Circular map for RC223436