

Product datasheet for **RG211958**

ZNF479 (NM_033273) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF479
Synonyms:	HKr19; KR19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211958 representing NM_033273
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCTAAAAGACCAGGACCCCTGGAAGCCGAGAAATGGGACTGTTGACATTAGAGACATAGCTATAG
 AATTCTCTCTGGAGGAATGGCAATGCCTGGATTGTGCTCAGCGGAATTTATATAGAGATGTGATGTTAGA
 GAACTACAGAAACCTGGTCTCCCTGGGTATTGCTGTCTCTAAGCCAGACTTGATCACCTGTCTGGAGCAA
 AATAAAGAGTCCCAGAATATAAAGAGAAATGAGATGGTAGCCAAACACCCAGTTACGCGTTCCTATTTC
 CCCAAGACCTTCAGCCAGAGCAGGGCATCAAAGATTCACTCCAAAAAGTAATACCAAGAACATATGGAAA
 ATGTGGACATGAGAAATTACAATTTAAAAAATGCTGTAAAAGTGTGGGTGAATATGAGGTGCACAAGGGA
 GGTTATAGTGAAGTTAACCAATGTTTGTCAACTACCCAAAAACAAATATTTAGACTCATAAATATGTCA
 AAGTCTTTGGTAAATTTTCAAATTCATAGAGATAAAACAAGATATACTGGAAATAAACATTTCAAATG
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 AAGTCCTACAAATGCAAAGAATGTGGCAAATCCTTAACTGCTCCTCAAACCTACTACACATAAAATAA
 TTCATACTGGAGAGAAACCATATAGATGTGAGGAATGTGGCAAAGCCTTTAGCTGGTCTGCAAACCTTAC
 TAGACATAAGAGAACTCATACTGGAGAGAAACCTACACGTGTGAAGAATGTGGCAAGCCTTTAGGCGC
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 TGAGGAATGTGGCAAAGCCTTTAGCTGGTCTCAACCTTACTAGACATAAGAGAATTCATACTAGAGAG
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 TTCATACTGGAGAGAAACCTACACATGTGAAGAATGTGGCAAGACTTTAGGCGCTCCTCAGCACTTAC
 TATCCACAAGAGAATTCATACTGGAGAGAGACCTACAAATGTGAAGAGTGTGGCAAAGTCTTTAGCTTA
 TCCTCAACCTCACTGACCACAAGAGAATTCATACTGGAGAGAGACCTACAAATGTGAAGAATGTGGCA
 AAGCCTTTAGCTTATCCTCAACCTCACTGACCACAAGAGAATTCATACTGGAGAGAGACCTACACATG
 TGAAGAATGTGGCAAAGCCTTTAATTGCTCCTCAACCTTATGAACATAAGAGAATTCATACTGGAGAG
 AAACCTACAAATGTGAAGAATGTGAGCAAGCTTTAAGTGGCATTCAAGTCTTGCTAAACATAAGATAA
 TTCACACTGGAGAGAAACCTACAAATGTGAA

AG**CGGACCG**ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

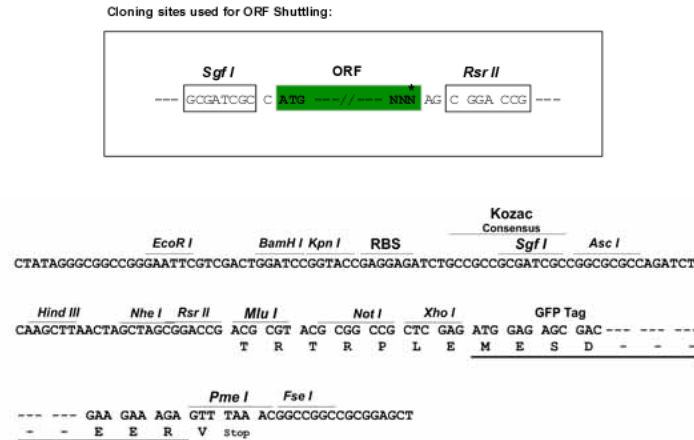
Protein Sequence: >RG211958 representing NM_033273
 Red=Cloning site Green=Tags(s)

MAKRPGPSREMGILLTFRDIAIEFSLEEWQCLDCAQRNL YRDVMLENYRNLVSLGIIVSKPDLITCLEQ
 NKESQNIKRNMVAKHPVTRSHFTQDLQPEQGIKDSLQKVIPTRYGKCGHEKLQFKKCKSVGEYEVHKG
 GYSEVNQCLSTTQNKIFQTHKYVKVFGKFSNSNRDKTRYTGKHKFCNKGKSFCSMLSHLNQHQVHTRE
 KSYKKECGKSFNCSSNHTTHKIIHTGEKPYRCEECGKAFSWSANLTRHKRTHTEKPYTCEECGQAFRR
 SSALTNHKRIHTGERPYKCEECGKAFSVSSTLTDHKRIHTGEKPCRCEECGKAFSWSANLTRHKRIHTRE
 KPYACEECGQAFSLSSNLMRHRRIHTGEKPYTCEECGQDFRRSSALTIHKRIHTGERPYKCEECGKVFSL
 SSTLTDHKRIHTGERPYKCEECGKAFSLSSTLTDHKRIHTGERPYTCEECGKAFNCSSTLMQHKRIHTGE
 KPYKCEECQAFKWHSSLAKHKIIHTGEKPYKCE

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_033273

ORF Size: 1572 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_033273.2](#)

RefSeq Size: 2072 bp

RefSeq ORF: 1575 bp

Locus ID: 90827

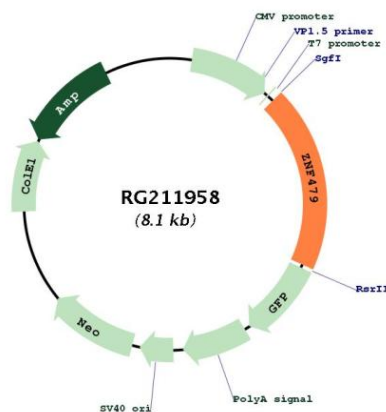
UniProt ID: [Q96JC4](#)

Cytogenetics: 7p11.2

Protein Families: Transcription Factors

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

Product images:



Circular map for RG211958