

Product datasheet for **RG212132**

ZNF579 (NM_152600) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF579
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG212132 representing NM_152600
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATCCGACGCTCCTCCACCCGCCAGGGCAGCCACCTACCGTGGCCGAGGCCGGGCGCTGGCC
 GAGGCCGTGGTCGGGGCCGTGGCCGTGGCAGGGGGGGCGCTGGAGCCCCAGGGCGCCCTGCCCTGCC
 CACCTGCGGCCGCTCTTCCGTTTCCCTACTACCTCTCCCGGCACCGGCTGAGCCACTCGGGGCTCCGG
 CCCCACGCTGCCCGCTGTGCCCAAGGCTTCCGCGGCCGGCCACCTTCCCGCCACCTGCGCGGCC
 ACGGGCCCCAGCCCCGCTGCGCTGCGCCGCTGCCCCCGACCTTCCAGAACCGGCCAGCTCAGGCG
 CCACCTGGCTCAGGAGCACGCGGGCGGCGAGGTGAGCTGGCCATCGAGAGGGTGGCCAAGGAGACGGCC
 GAACCCAGCTGGGGCCCGCAGGACGAGGCTCGGAGCGCCACCACCGCTGCAGCAGGGGCCACGAGG
 AGGAGCGGTGCGAGCTGGCCTGAGAGTGGCCTGCGGGGAGCCTTCCACGCTGGCTGCGCCACCAG
 CGCCCGGAGCCCCGGGAGTCGGAGTCGGAGGAGGCCAGGCCGGGCGAGCAGCTGAGGGCCGAGCTG
 GCGCTGGCGCGCGGCGCAGGAGGAGAAACAGGTCTGCTCCAGGCAGACCGACGCTGCTGTGTCTGC
 GCTGCCGCGAAGCTTTCGCCACCAAGGGCGAGCTCAAGGCGCACCCGTGTCTGCGCCCCGAGGGCGAACA
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 GGAGAGGGCGCGCGCTGCAGGACTGCAGGCCAGGCCCGAGCTGCGGCCACCGCCCCCGCGGCC
 CTGAAGGCCGAGCAGGAGGAAGAAGGCTCCCGCTGCCCTCGCAAACATTAAGGAAGAGCCGCCCTCTC
 CGGGGACCCACCCAGTCCCCGCGGCTCCCCCTGTCTTCTCAGCGCTCCTGTTTCGACAGCCAAGA
 CCACCTAGCCTTCGAGATGGAGGAGGAAGGTAGACAGCAAGGCTCACCTGCGCGGCTGGGGGCGCTG
 GCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

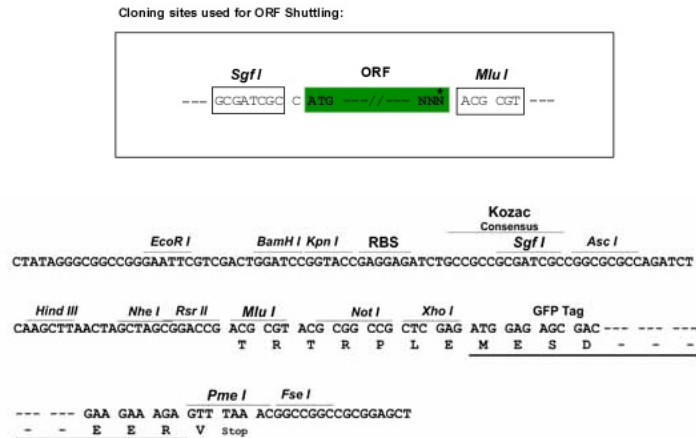
Protein Sequence: >RG212132 representing NM_152600
 Red=Cloning site Green=Tags(s)

MDPQPPPPAQGSPHRGRGRGRGRGRGRGRGGAGAPRAPLPCPTCGRLEFRFPYYLSRHRLSHSGLR
 PHACPLCPKAFRRPAHLRHLRGHGPPPLRCAACPRTFPEPAQLRRHLAQEHAGGEVELAIERVAKETA
 EPSWGPQDEGSEPPTTAAAGATEEEAFAAWPETWPAGEPSTLAAPTSAAPRESESEAEAGAAELRAEL
 ALAAGRQEEKQVLLQADRTLLCLRCREAFATKELKAHPCLRPEGEQEGEGPPPRPKRHQCSICLKAF
 RPWSLSRHRLVHSTDRPFVCPDCGLAFRLASYLRQHRRVHGPLSLLAPLPAAGKKDDKASGARNASAGPE
 GGEGAECGGAEGGQNGDAAPRPPAGEPRFWCECGKGFRRRAHLRQHGVTHSGARPFQCVRCQRE
 FKRLADLARHAQVHAGGPAPHPRCPRRFSRAYSLLRHQRCHRAELERAAALQALQAQAPTSPPPPPPP
 LKAEQEEGLPLPLANIKEPPSPGTPPQSPAPPVFLSASCFDSQDHSAFEMEEEEVDSKAHLRGLGL
 AS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152600

ORF Size: 1686 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.

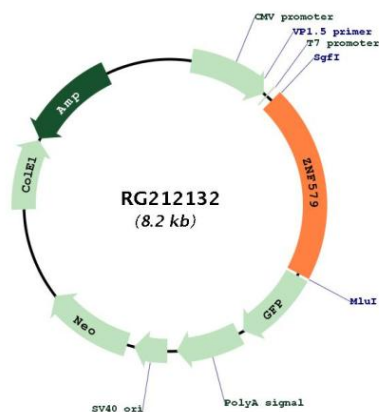
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152600.1](#), [NP_689813.1](#)

RefSeq Size: 2136 bp

RefSeq ORF:	1689 bp
Locus ID:	163033
UniProt ID:	Q8NAF0
Cytogenetics:	19q13.42
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212132