

## Product datasheet for **RG222575**

### **WIZ (NM\_021241) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	WIZ (NM_021241) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WIZ
Synonyms:	ZNF803
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG222575 representing NM\_021241  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGGTCTCTGGCAGGCAGCTGGCTGCACCAGATCGTCCCAAGGCCAGAGAGACTGCCTGGCC  
 CGGCGCCAAGGGAGAACATCGAGGGTGGGGCCGAAGCTGCTGAGGGGAAGGTGGCATCTCCGGTCCAC  
 CCGTTACCTGCCTGTACCAAGGAGGGCCCGGAGACATTCTGGATGGCAGAGGTGGCATCTCTGTGGCC  
 AACTTTGACCCAGGCACCTTCAGCCTGATGCGCTGTGACTTCTGCGGGGTGGCTTCGACACACGGGCCG  
 GCCTCTCCAGCCACGCCGGGCCACCTACGTGACTTCGGTATCACCAACTGGGAGCTCACTGTCTCACC  
 CATCAACATCCTGCAGGAGCTGTGCCACCTCTGCTGCTGAGCAGCCCCCAGCCCCCTGGGCCGAGAG  
 CCTGGGGTCCGCTGGCAGCTTCTGACCTCCCGTCGGCCCCGTTACCTCTCACGGTGCCTTTCCAC  
 CCACCTGGGCTGAGGACCTGGGCCAGCCTATGGAGATGCCTCAGGCCAGAGCCAGCACGAGACATCCG  
 CTGCGAGTTCTGTGGTGAAGTTCTCGAGAACCGAAGGGCTCTCGAGCCACGCGCGCTCCCATCTGCGG  
 CAAATGGGCGTGACCGAGTGGTACGTCAATGGCTCGCCATCGACACGCTGCGGGAGATCCTGAAGAGAC  
 GGACCCAGTCTCGGCCTGGTGGACCTCCAACCCACCAGGGCCAAAGCCAAAAGCCCTGGCCAAGATGAT  
 GGGCGGCGCAGGTCTGGCAGCTCACTGGAAGCCCGCAGCCCCCTCGGACCTTCACATCTCACCCCTGGCC  
 AAGAAGTTGCCACCACCACCGGGCAGCCCCCTGGGCCACTCACCAACTGCCTCTCCTCTCTACGGCCC  
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 CCACGGGAAGACATGACACCCCTGAACCTGTGTCGAGTACGCGCGCTCACACCTGCGGCAGATGGG  
 TCTGCGCGAGTTCTTCGAGAACCGAAGGGCTGTGAGTACGCGCGCTCACACCTGCGGCAGATGGG  
 TGTGACCGAGTGGTCCGTCAATGGTTCGCCATCGACACACTGCGAGAGATCCTCAAGAAGAAGTCCAAG  
 CCGTGCCTCATCAAGAAGGAGCCACCGGCTGGAGACCTGGCCCCCTGCCCTGGCTGAGGACGGCCCTCCA  
 CCGTGGCCCCGTCAGTCCCCACTGCCGCTGTGCCCCCTGGCTGGCCGGCCAGGCAAACCAGG  
 TGCAGGGCCGGCCAGGTTCTCGTGAGCTCAGCCTGACGCCATCACTGGGGCCAAGCCCTCAGCCACT  
 GGCTACCTGGGCTCAGTGGCAGCCAAGCGGCCCTGCAGGAGGACCGCTCCTCCAGCAGAGGTCAAGG  
 CCAAGACCTACATCCAGACTGAACTGCCCTTCAAGGCAAAGACCCTTATGAGAAGACCTCCCACTCCTC  
 CACCGAGGCTGTGCGAGCTGTGTGCCCTTACTTTGAAAACCGCAAGGCCCTGGCCAGCCACGCACGG  
 GCACACCTGCGGCAGTTCCGGCTGACCGAGTGGTGCCTCAATGGCTCGCCATCGAGACTGAGCGAGT  
 GGATCAAACACCGGCCCAAGAAGGTGGGCGCTACCGCAGCTACATCCAGGGCGGCCGCCCTTACCCAA  
 GAAGTTCCGCAAGTCCCGCCATGGCCGTGACAGTGACAAGCGGCCGTCCCTGGGGCTGGCACCCGGGGC  
 CTGGCCGTGGTCCGGCCAGTGGCCGAGGGGAGCCAGGGCCCGAGGCTGGCCGGGCGAGCCAGGTTGGT  
 AGCGGCCCTCTGGCAGCCAGCCCGCCAGGACCGTGAAGGCTGAGGAGCACCAGCGGCAGAACATCAACAA  
 ATTTGAACGCGCAAGCCCGCCCTCCAGATGCCTCCGACGCCGGGGAGGCGAGGACACCAATGACCTA  
 CAGCAGAAGCTGGAGGAGGTGCGGCAACCCCCACCCGAGTCCGGCCAGTCCCCTCCCTGGTGCCCCGGC  
 CCCCCAGACATCACTTGTCAAGTTCGTGGCAACATCTACACCTCAAATGCAGGTTCTGTGAGGTGGA  
 ATTCCAGGGCCCCCTCTCCATCCAGGAAGAGTGGGTGCGGCACCTACAGCGGCACATCCTGGAGATGAAC  
 TTCTCAAAGCGGACCCCCACCTGAGGAGTCCCAGGCCCGCAGGCACAGACAGCGGGCCAGAGGCTC  
 CC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG222575 representing NM\_021241  
 Red=Cloning site Green=Tags(s)

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MEGSLAGSLAAPDRPQGPERLPGPAPRENIEGGAEAAEGEGGIFRSTRYLPTKEGPRDILDGRGGISVA
NFDPGTFSLMRCDFCGAGFDTRAGLSSHARHLRDFGITNWELTVSPINILQELLATSAAEQPPSPLGRE
PGGPPGSFLTSTRPRLPLTVFPPTWAEDPGPAYGDASGPEPARDIRCEFCGEFFENRKLSSHARSHLR
QMGVTEWYVNGSPIDTLREILKRRTQSRPGGPPNPPGPSPKALAKMMGGAGPGSSLEARSPDLHISPLA
KKLPPPPGSPLGHSPTASPPPTARKMFPLAAPS LPKKLKPEQIRVEIKREMLPGALHGELHPSEGFWGA
PREDMTPNLNLSRAEPVRDIRCEFCGEFFENRKLSSHARSHLRQMGVTEWSVNGSPIDTLREILKKKSK
PCLIKKEPPAGDLAPALAE DGPPTVAPGPVQSPLPLSPLAGRPGKPGAGPAQVPRELSLTPITGAKPSAT
GYLGSVAKRPLQEDRLLPAEVKAKTYIQTELPFKAKTLHEKTSHSSTEACCELCGLYFENRKALASHAR
AHLRQFGVTEWCVNGSPIETLSEWIKHRPQKVGAYRSYIQGGRPFKKFRSAGHGRSDSKRPSLGLAPGG
LAVVGRSAGGEPGPEAGRAADGGERPLAASPPGTVKAEEHQ RQNINKFERRQARPPDASAARGGEDTNDL
QQKLEEV RQPPRVRPVS LVRPPQTSLVK FVGN IYTLKCRFCEVEFQGPLSIQEEWVRHLQRHILEMN
FSKADPPPEESQAPQAQTAAAEAP
```

TRTRPLE - GFP Tag - V

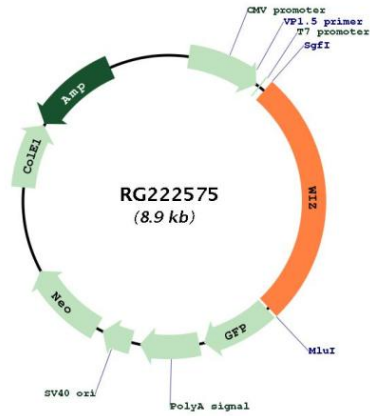
**Restriction Sites:**

Sgfl-MluI



<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_021241.3</a>
<b>RefSeq Size:</b>	4185 bp
<b>RefSeq ORF:</b>	2385 bp
<b>Locus ID:</b>	58525
<b>UniProt ID:</b>	<a href="#">O95785</a>
<b>Cytogenetics:</b>	19p13.12
<b>Gene Summary:</b>	<p>May link EHMT1 and EHMT2 histone methyltransferases to the CTBP corepressor machinery. May be involved in EHMT1-EHMT2 heterodimer formation and stabilization (By similarity). [UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for RG222575