

## Product datasheet for **RG206659**

### ZU5 (UNC5CL) (NM\_173561) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZU5 (UNC5CL) (NM_173561) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZU5
Synonyms:	MUXA; ZUD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206659 representing NM\_173561  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGCCCCAGGAGAGTTCATTCCAACCTCCAGTTCCTACTGCTGGTGGGGTCCAGTGGCAAGTGT  
 TCCTCCTTCTGGCCCAATGCCTTCGATGGCACTGCCCTAGAAGGCTGCTGGGGCCCTGCTGGACACTGAA  
 TGGTCAAGAGGAACCAAGTGTCCAGCCTACCCCAACTAGAAAATGAGGTCTCAAGGCAGCACCTGCCA  
 GCCACACTGCCAGAGATGGTTGCCTTCTACCAGGAGCTACACACACCCACTCAAGGCCAGACCATGGTCC  
 GCCAGTTGATGCACAACTGTTGGTGTTCGGCTCGAGAGGTGGATCACCGCGCGGTTGCCTGATGCT  
 CCAGGATACAGGCATCTCCTTGCTCATCCACCAGGTGCTGTGGCTGTGGGCCGCCAGGAGCGGGTGTCT  
 TTGATCCTGGTGTGGGACCTGTCGGACGCCCATCGCTGTCCCAAGCCAGGGGCTGTAAGCCCTGTGG  
 TGGCATGTGGCCCCATGGGCTCCTTCTGAAGCCTTGCACTCTCACGTTCAAACACTGTGCCGAGCA  
 GCCAGCCATGCTCGACCTACAGCAGCAACTACCCTGCTGGATGCCAAGGTATGGAGCCCCCTGGGG  
 CGCCCGGGGCCACGCCTCCCGGGATGAGTGTGCATCCACCTCTCCCACTTACGCCTCTACACCTGTG  
 TGCTGGAGGCACCTGTGGGGCGCAAGCCCGAAATGGCTGCAGCTGGCCGATTCTGCTCACCGCTGGT  
 GCCAGGACAGTCCCATCTGCAACTGCGTATCTACTTCTCAACAACACGCCCTGCGCCCTGCAGTGGGCA  
 CTGACCAACGAGCAGCCCCATGGTGGGCGCTGCGTGGGCCCTGCCAGCTCTTCGACTTCAATGGGGCTA  
 GGGGCGACCAAGTGCCTGAAGCTCACGTACATCTCAGAGGGTTGGGAGAATGTGGATGACAGCAGTTGCCA  
 GCTGGTCCCCATCTCCACATCTGGCATGGAAGTGCCTTCCGCTCCTTCTGCTTCCGGAGAAAAGCA  
 GCCGATGAGAATGAGGACTGTTCCAGCACTAACCAATGAGATCATTGTACCATGCACACCTTCCAGGATG  
 GCTTGGAGACCAAGTATATGGAATCCTCAGATCCAGGCATCAGAGGAGGAATCCTGGGACGCCACC  
 ACCTGTTTCCAGCCGCCCATGCAATAGGCTGCCCCAGAGCTCTTTGAGCAGCTGCGGATGTTATTG  
 GAGCCAAACAGCATCACCGCAATGACTGGCGGACTGGCTCCACCTGGGGCTTTGCGGCATGAAGA  
 TCCGGTTCCTGTCTGCCAGCGCAGCCCGCAGCGCCATCCTGGAGTTGTTGAGGAGCAGAACGGCAG  
 CCTGCAGGAGCTGCACTACCTCATGACCGTATGGAGCGGCTAGACTGCGCCTCCGCCATCCAGAACTAC  
 CTGAGTGGGACACAGCGCGCAGCCAGGCCCGAGCGCGGGGGCCCGGGATAACCAGGGCTGGAGC  
 TGGACGAGAAGCTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206659 representing NM\_173561  
 Red=Cloning site Green=Tags(s)

MCPQESSFQPSQFLLL VGVPVASVLLLLAQCLRWHCPRRLLGACWTLNGQEPPVSQPTPQLENEVSRQHLP  
 ATLPENVAFYQELHTPTQGTMRQLMHKLLVFSAREVDHRGGCLMLQDTGISLLIPPGAVAVGRQERVS  
 LILVWDLSDAPSLQAQGLVSPVACGPHGASFLKPCTLTFKHCAEQPSHARTYSSNTLLDAKVWRPLG  
 RPGAHASRDECRHL SHFSLYTCVLEAPVGREARKWLQLAVFCSPLVPGQSHLQLRIYFLNNTPCALQWA  
 LTNEQPHGGRLRGPCQLFDNFNGARGDQCLKLYISEGWENVDDSSQLVPHLHIWHGKCPFRSFCFRKA  
 ADENEDCSALTNEIIVTMHTFQDGLKTYEILRFQASEEESWAAPPVVSQPPPCNRLPELFEQLRMLL  
 EPNSITGNDWRGLASHLGLCGMKIRFLSCQRSPAAAILLELFEEQNGSLQELHYLMTVMERLDCASAIQNY  
 LSGTHGGSPGPERGGARDNQGLELDEKL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_173561

**ORF Size:** 1554 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\\_173561.1](#), [NP\\_775832.1](#)

**RefSeq Size:** 3096 bp

**RefSeq ORF:** 1557 bp

**Locus ID:** 222643

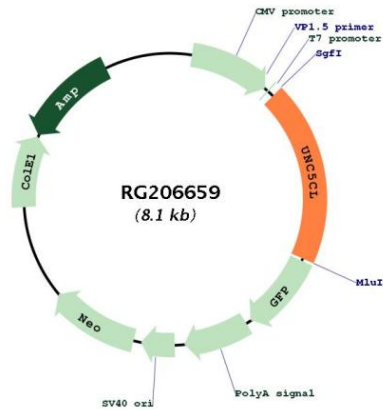
**UniProt ID:** [Q8IV45](#)

**Cytogenetics:** 6p21.1

Protein Families: Transmembrane

Gene Summary: Inhibits NF-kappa-B-dependent transcription by impairing NF-kappa-B binding to its targets.  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG206659