

## Product datasheet for SC123325

### ZU5 (UNC5CL) (NM\_173561) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZU5 (UNC5CL) (NM_173561) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZU5
Synonyms:	MUXA; ZUD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_173561 edited  
GCCAGCAGCCTCTAAGAGCTCCTAGACGGCCTTTGGCTTTGGCTGGCACAGGGGTGAAGG  
AGAGCCAGCGGCATTGAGTAACCCAGGCGAATGTGCCCCAGGAGAGTTTCATTCCAACCT  
CCCAGTTCCCTACTGCTGGTGGGGTCCCAGTGGCAAGTGTCTCTTCTGGCCCAATGCC  
TTCGATGGCACTGCCCTAGAAGGCTGCTGGGGCCTGCTGGACACTGAATGGTCAAGAGG  
AACCAAGTGTCCCAGCCTACCCCAACTAGAAAATGAGGTCTCAAGGCAGCACCTGCCAG  
CCACACTGCCAGAGATGGTTGCCTTCTACCAGGAGCTACACACCCCACTCAAGGCCAGA  
CCATGGTCCGCCAGTTGATGCACAACTGTTGGTGTTCGCGCTCGAGAGGTGGATCACC  
GCGGCGGTTGCCTGATGCTCCAGGATACAGGCATCTCCTTGCTCATCCCACCAGGTGCTG  
TGGCTGTGGGCCCCAGGAGCGGTGTCTTTGATCCTGGTGTGGGACCTGTCGGACGCC  
CATCGCTGTCCAAGCCAGGGGCTGGTAAGCCCTGTGGTGGCATGTGGCCCCCATGGGG  
CCTCCTTCTGAAGCCTTGCACCTCTCACGTTCAAACACTGTGCCGAGCAGCCAGCCATG  
CTCGCACCTACAGCAGCAACACTACCCTGCTGGATGCCAAGGTATGGAGGCCCTGGGGC  
GGCCGGGGGCCACGCCTCCCGGATGAGTGTCCGATCCACCTCTCCCCTTCAGCCTCT  
ACACCTGTGTGCTGGAGGCACCTGTGGGGCGGAAGCCCGCAAATGGCTGCAGCTGGCCG  
TATTCTGCTCACCGCTGGTGCCAGGACAGTCCCATCTGCAACTGCGTATCTACTTCTCA  
ACAACACGCCCTGCGCCTGCAGTGGGCACTGACCAACGAGCAGCCCCATGGTGGGCGCC  
TGCGTGGGCCCTGCCAGCTCTTCGACTTCAATGGGGCTAGGGGCGACCAGTGCCTGAAGC  
TCACGTACATCTCAGAGGTTGGGAGAATGTGGATGACAGCAGTTGCCAGCTGGTTCCCC  
ATCTCCACATCTGGCATGGAAAGTGCCCTTCCGCTCCTTCTGCTTCCGAGAAAAAGCAG  
CCGATGAGAATGAGGACTGTTCCAGCACTAACCAATGAGATCATTGTCACCATGCACACCT  
TCCAGGATGGCTTGAGACCAAGTATATGGAAATCCTCAGATTCCAGGCATCAGAGGAGG  
AATCCTGGGCAGCGCCACCACCTGTTTCCAGCCGCCCCCATGCAATAGGCTGCCCCAG  
AGCTCTTTGAGCAGCTGCGGATGTTATTGGAGCCAAACAGCATCACCGGCAATGACTGGC  
GCGGACTGGCCTCCCACCTGGGGCTTTCGCGCATGAAGATCCGGTTCTGTCTGCCAGC  
GCAGCCCCGAGCGGCCATCCTGGAGTTGTTGAGGAGCAGAACGGCAGCCTGCAGGAGC  
TGCACTACCTCATGACCGTCATGGAGCGCTAGACTGCGCCTCCGCCATCCAGAACTACC



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TGAGTGGGACACACGGCGGCAGCCAGGCCCCGAGCGCGGGGGCCCGGGATAACCAGG  
 GCCTGGAGCTGGACGAGAAGCTCTGAGCGCCAGCGGGCAGGGCCGGAGGAGGTGTAGGG  
 GCGAGAGGGGTTGTTCTCTACGCCTAAGAGGAACACAGCAGCTGTTCTGGCTGTGCC  
 ACCACCCTTCCCAGAACCCTCGGACGGTGCCAGGGCCGCCCGCTCTCGCCAGCCTCCC  
 AGCAGCAGGCGCGCCCTTCCGGCCGCGAGCTGTCCCGGTGCGGGTCCCCTCTGGCCGG  
 CAGAGGGCGCAGGAGCCCAGGAGATGGCCTCAGCGTGGCCAGCCTGCCAACTGACCAGG  
 GGACGGCCACGGTCCCCGCGTGCACCTTTAGGGCCGGTCAGGCCCTAAAAGTATTCAGT  
 CACTTAGGAAGACCGGGCATTGGGCTGGTGCATGAAGAATACTGGAATATAGGAGGTAG  
 GGTCTGGAGCCCTGACAAGCACACAGTTCTTTTGCAGGAGTCAAGATGTGCTCATAGGAG  
 CCAAGGGCAAACCTGAAAACAGCCCTGCCCTGTGGTTAGGGGAGGTGGGTGTGGCTTTAG  
 GAGTTGAGAGGGGAAGAGCTGAGTGCAGGCTGGAGCAGCGAGAATGCTTCACGGAGGATG  
 TTGGGGAGAGAGGATTTGATTTGCCGAGTGGTTTGGAGATCTTTAGGGCCGGGTAGGGGA  
 AGAGGGTGGCTGGACTTAAGGTAGGAGCCGAAAGTGGGCATGGGAGCCCATCCCCGTGGG  
 TGTGAGGCCGGGTAGGACCAGGCTTCCGGCTAGGCACGCTGGCTGGTGCCTCTGCC  
 TCTACTAACTTCTTTGCTCTTTATCCTCCTGCTTAGGCCGTCTTCTCTCTCTCTG  
 CCATTTTCTCTATCAGAAAACATTAAAGCTGAGTAGAAACTTCAAGATGATCATTCTGGC  
 CCAAGCCCTTTTATCTCTTTATCTCCAATGGTGTGCGTTTTAAGTTTCTCTGACTTGGTTT  
 TTCTGTCCCTGTCTCCACAGTTGTTCCCGCTCTGCACCTGTGTTTCAAGTACTCTCTCT  
 CTCTGTCTTAGATCTTTTTGTTTCTGCCTAGTCTCTGTGCCCTGTCTTTGTGTGTTTCTT  
 TCTCTGCCTGAAACCCTCCCTCTTTCCCTTACGGCATAATGTCTCTAAACCAATGTTATG  
 TATCAAAGACTGTTGAAAGAGACAGGGCTACTCTAGGAATGGATGGGTGGGGATATTTTC  
 CCCATGGATCAAGATCCAGTTTAGGGTTGGGAAATAAAGGATAGGGATAAAAGAGGCACC  
 CCATTCAGTCAGCAGATACTTATTCAGCACCTACTATGTGTTTGATACTGTATACAAAAG  
 ACATGAATGGGCTGGGTCTGAACAGAGAATAAAGGGTTTACTCCAAAAAAAAAAAAAAAA  
 AA  
 AA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_173561 unedited  
 NNNGTTGAATTTGTATACGATCATATAGGCGGCCCGCGATTCCCGGNGAGCCAGCAGCC  
 TCTAAGACTCCTANCGGCTTTGGCTTTGGCTGGCACAGGGGTGAAGGAGAGCCAGCGGC  
 ATTGAGTAACCAAGCGAATGTGCCCCAGGAGAGTTTATTCCAACCTCCAGTTCTTAC  
 TGCTGGTGGGGTCCAGTGGAAGTGTCTCCTTCTGGCCCAATGCCTTCGATGGCACT  
 GCCCTAGAAGGCTGCTGGGGCCTGCTGGACACTGAATGGTCAAGAGGAACCAAGTGTCC  
 AGCCTACCCCAACTAGAAAATGAGGTCTCAAGGCAGCACCTGCCAGCCACTGCCAG  
 AGATGGTTGCCTTCTACCAGGAGCTACACACCCACTCAAGGCCAGACCATGGTCCGCC  
 AGTTGATGCACAACTGTTGGTGTTCGCTCGAGAGGTGGATACCCGCGCGGTTGCC  
 TGATGCTCCAGGATACAGGCATCTCCTTGCTCATCCACCAGGTGCTGTGGCTGTGGCC  
 GCCAGGAGCGGGTCTTTGATCCTGGTGTGGACCTGTCCGACGCCCATCGCTGTCCC  
 AAGCCCAGGGGCTGGTAAGCCCTGTGGTGGCATGTGGCCCCATGGGGCTCCTTCTGA  
 AGCCTTGCACTCTCACGTTCAAACACTGTGCCGAGCAGCCAGCCATGCTCGCACCTACA  
 GCAGCAACTACCCTGTGGATGCCAAGGTATGGAGGCCCTGGGGCGCCGGGGGCC  
 ACGCCTNCCCGGATGAGTGTGCATCCACTCTCCACTTACAGCTCTACACCTGTGTGC  
 TGGNAGCACCTGTGGGGCGGAAGCCCGCANATGGCTGCAGCTGGCCGATTCTGCTC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_173561

**Insert Size:**

3096 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<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_173561.1</a> , <a href="#">NP_775832.1</a>
<b>RefSeq Size:</b>	3096 bp
<b>RefSeq ORF:</b>	1557 bp
<b>Locus ID:</b>	222643
<b>UniProt ID:</b>	<a href="#">Q8IV45</a>
<b>Cytogenetics:</b>	6p21.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Inhibits NF-kappa-B-dependent transcription by impairing NF-kappa-B binding to its targets. [UniProtKB/Swiss-Prot Function]