

## Product datasheet for **MC220623**

### **Kiz (NM\_001033298) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Kiz (NM_001033298) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kiz
Synonyms:	Gm114; Ncrna00153; Plk1s1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220623 representing NM\_001033298  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGCGAGGGCGCGGTGGCGGTGGTGGCTGCCAGGCCTCCGCCACCTCTGCCCCTTGCGCA  
 GCCCAGCTACTACGAAAGGGTGGCCAGCTCCAGCAGGCTCTGCGGGACAGTGAAGAAGAGATTGGA  
 CCTGGAAGACAAGCTTTATGAATACAATAAATCTGATAAGTGCAGAGCTAAGCTGAAATGTGAAAACTA  
 AAGAAATACCTGAAGGAAGTATGTGAGTCTGAGAGGAGGGCTCAGGTTGAAACCAAGGATATTTAAAGA  
 AGTTTGAATGTGTCCAGACGTATGTTGAACACTTGACCACAAATACAGAGAAGCTTCAAAAAGTGAAGAC  
 TGAATATGAGGCTGAAGTGAAGAGGATGCGCCTCTGTCAAAGGATAGCCTGGGAATGAGTGACGAAGAC  
 GGAGCAAAGGATGCAGTGCAGGCAGGAATTAACCTCGGGGACAGCTATGTCAAGAGGATTGTATCAACCAG  
 CAACAATCTTTATGGGCCGCAATGTCAGCCATCTCAAGCATTGAAGATTTAGTACAGAGCTGAAATC  
 TAACCAACCCACAAGAAGCTTTTCAATCTCTGACCCACATTCACACCAACAGACAGCCAGAGCAGCTGT  
 GTGACAGACAGCTGTGTAGTGCAGACTAATGGTGCACACAGTGTAAATAAGTCTGACAAAATACATG  
 GAAAGACATCTTTCAGACTGGTGAAGGCGCCAGTCAAGCTATGTATTGTCTGCAGAAAGCAAAAC  
 TCATTGCTTGAGATAGGAAGCAGCACACAGCAGCAAGAGTAATTTATCTGAAGGCAGAAAGTCTGCT  
 GAACTCCATTCTCGTTACAGGAAAGATTAAGTCCAGAGAACAGCATCACTGATTTAAAGTGTGACAGTT  
 CCAGCAGATCAGAGGGATCAGACAGAGAAATACTGACACAAGAACATATTGAAGTCAAGGAAAGAGC  
 CGGCCCGCTGGTCCCATGATGGCAGCTTCAGAACACTGTACATCTGCAAAGAAGTGGGCTGGAGAGAAG  
 CATTCTGCTTGGGAAGCTTCTCAGATGATCTTGACCACGGGGACTCAAAGTACAGAAGGCCGCTCTGA  
 AACATGAGGAAGACAGGAGGAGGAAGCTCATGCAGCAGCAGCGACCTCACAGTTTCTGTCAAGTGAAGA  
 TGATCTGATTCTAGAGAGTCTGGCCGCACTGTGCAATCCAGGAGCAAGATGGCGGGCAAAGATGGAATG  
 CAGGCCTTGCGAGCGGCCACACTGAACCAAGACAAGATTCGCTCTTACGGAATATGTTTTACAGACCC  
 AAAGCTTCTGATTCAAAAAGGGAACCTCCCCAGATTCACCAAGACAACCTGAAAAAGTACCAGATTG  
 TCATTATTGAAGACACGAGGGCAATGTATGAAGGAACATGATAATTCTTAAAGAGGAGGCAACAACA  
 TTATTGAAAAAGTCCTTACAGAAGAATGTGACCATAGGTGAGCTATTACAGTAATGAATCATCTTGCA  
 GCATGCCATCTATTCTGAATGACAATAATGGAATAAAGGAAGCAAAACCCGCTCTGCGGCTCAACAGTGT  
 TCTTACAAGGGAACAAGAAGTTTCAAGTGGCTGTGGAGATGAGAGCAAGGAAGAAAGCATAGCTGCGGCC  
 CCAGGCACAGGACACAGAGAGGGGATCTAGTACCCTCAGAACTGTTTCAGTTCAGCTTGGGAGCAGCCA  
 TGAAGAACAAGCCTACCAGTACTGAAGAAGTCTACCCCTCAGGACAATTCAAATCAAGCTGAAGA  
 GAGATTTGAAAGTCAGTTTTTCAGGTCTGGATATTGGTGGCAGCATTGTTCAACAACAAGACAGCCACAAA  
 ATCGCCTCGGAAGCTAGTTTTTCATCTAGTGAAGGAAGTCTTTGTCAAGGCACGAAAGCAAAAGGGACC  
 CAGTGACCACATAAAGTCAAAATGCCTTCTGGGGGAGTCTGATGACAGTAACTCTGAAATCGAAGCTGC  
 CCTACGTCCTAGAGACCATGACATGCCCGATGATTTTGTGATTTTTATGACACATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001033298
- Insert Size:** 2088 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).
- 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\\_001033298.3](#), [NP\\_001028470.1](#)

**RefSeq Size:** 2150 bp

**RefSeq ORF:** 2088 bp

**Locus ID:** 228730

**UniProt ID:** [Q3UXL4](#)

**Cytogenetics:** 2 G2

**Gene Summary:** Centrosomal protein required for establishing a robust mitotic centrosome architecture that can endure the forces that converge on the centrosomes during spindle formation. Required for stabilizing the expanded pericentriolar material around the centriole.[UniProtKB/Swiss-Prot Function]