

## Product datasheet for **MC224272**

### Cep164 (NM\_001081373) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cep164 (NM\_001081373) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cep164  
**Synonyms:** AI450905; BC027092; D030051D21; mKIAA1052  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224272 representing NM\_001081373  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTAGACGGCCATCCTTTTAGGTGACCAGCTGGTCTGGAGGAAGATTCTGATGAGACCTACGTTCCAGTGAGCAAGAAATCCTTGACTTTGCCAGAGTGATTGGTATTGACCCTATCAAGGAACCAGAAGTATGATGTGGCTGGCGAGAGAGGGTATTGAGGCTCCATTGCCCAAGGGCTGGAAACCATGCCAGAACATCACAGGTGATCTTTACTATTTCAACTTTGACACGGGGCAGTCCATCTGGGACCATCCATGTGACGAGCACTATCGAAAGTTGGTCATCCAGGAGAGGGGAGAGGTGGTCAGCTCCCGGGCCATTAAGAAGAAAAGACAAGAAAAAGAA  
AAAGGAAAAGAAAAACAAGAAGGACAAAGAGACCTCCAAAAGTCTCTGGTCTGGGTTCCCCCTTAGCTCTAGTCCAGGCCCTCTTTGGGGCTGGCTCCCTTACGAGGCCTTGGGGATGCCCCACCCTCTGCTCTTCTGGGTGCGAGAGCGTGAGCTTGGGCAGCTCAGCGGATTCTGGGCATCTTGGGGAGCCACGCTGCCTCCACAGGGTCTCAAGGCTGCTGCTGTGCAAAGGGTCTCTTGGCTTCTGTCCATGAGGGCAAGAATGCTCTCAGCCTCTTGACTTTAGGGGAAGAGACCAACGAGGAGGATGAAGAGGAGAGTGACAACCCAGAGTGTCCGGAGCTCCAGTGAACCTCTCAAGAACCTACATCTGGACCTTGGTCCCTGGGAGGTAACCTTTGAGTACGAGGAGTCTCCAAGAACCAGCCAGCCAGACAAGAAAGATGTTTTCTGGACTCAGATGCCGATCGCCCCCAACTCCCGGCAAGCTGTTCAAGCCAGGGTGCAGACAGTGTGGCCAGTGCCAATGGCAGCAAGTCCCAAGGAA  
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AAGAACAAGATGACAGCAATCCAGCATCGCTGAGCCACAGAGCAAGCATACCAAGGCTCCGAGAGGGAACATCTCCAGAGTAGCCTTACAGCCAGGCTACTGAGGAAGGGCCTTTCAGACCCCTGGAGGGGCAGCCTGAGTGGAAAGGAAGCAGAGGGACCTGGGAAGGACTCTGTAGCCAGCCCCGCCCACTGTCCCTCTCCAGA



GCCTCCTGAAAGCACAGCTACAGAAAGCCACCGCTGAGGAGAAGGAGAAGGAAGAGGAGACTAAGATAAG  
 AGAGGAGGAAAGCCGAGGCTGGTCTGCCTCCGGGCCAGGTGCAGTCCAGGACTGAGGCTTTTGAAGC  
 CAAATTAGAACCAGCAACAGGCTGCCCTACAGAGGCTTCGAGAAGAGCCGAGACTCTCCAGAAAGCTG  
 AAAGAGCCAGCTTGAACAGAAAAGCAGGAGGGCACTGGAGCAGCTGAGGGAGCAGCTGGAGGCCGAGGA  
 GAGGAGTGCCAGGCTGCCTTGAAGGAGAGAAAGGAGGCGGAGAAGGAGGCCGCTCTGCTGCAGCTGAGG  
 GAGCAGCTGGAAGGGGAGAGGAAGGAAGCAGTGGCAGGCCTAGAGAAGAAGCACAGCCTGAGCTGGAAC  
 AGCTCTGTTCTCACTGGAAGCCAAACACCAGGAGGTGATCTCCAGCCTCCAGAAGAAGATAGAGGGAGC  
 TCAGCAGAAAGAGGAGGCCAATTACAGGAGAGCCTTGGGTGGCCGAGCAGAGAGCTCACCAGAAGGTT  
 CACCAGGTGACCGAGTATGAACAGGAGCTCAGCAGCCTCCTCGAGACAAGCGCCAGGAGGTAGAGAGGG  
 AACACGAGCGGAAGATGGACAAGATGAAGGAGGAGCACTGGCAAGAGATGGCTGACGCCAGAGAGCGATA  
 CGAAGCCGAGGAGAGAAAGCAGCGGGCTGACCTCCTGGGGCACCTGACTGGAGAGCTGGAGCGCCTGCGA  
 AGGGCCCACGAGCGGGAGTTAGAGAGTATGAGGCAGGAGCAGGACCAGCAGCTTGAAGACCTGAGGCGTC  
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 GGCCAGACTAGCTCAGCTGAATGTTGAGGAGGAGAATACGGAAGAGAAGCAGCTGCTCCTGGATGCG  
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 AGCACACACACCTGCTGGAGACGAAGCAGCAGCTGCGAAGGACCATCGATGACCTGAGGGTCCGGCGGGT  
 GGAGCTGGAGTCCAAGTGGACCTGTTGCAAGGCGCAGAGTCAGAGATTGCAAGAAGCACCTGAGCAGCCTA  
 GAGGCCGAAGTACAAAGGAAGCAGGATGTCTTGAAGAGATGGCAGCTGAGATGAATGCTTCCCCACACC  
 CGGAGCCAGGGCTCCACATTGAGGACCTGAGGAAATCCCTTGACACAAATAAGAACCAAGAGGTGTCCTC  
 TTCTCTCTCCCTGAGTAAGGAGGAGATCGACCTGTCTATGGAGAGTGTCCGACAGTTCTCTCTGCTGAG  
 GGTGTAGCTGTGCGCAACGCTAAGGAGTTCCTGGTGGCCAGACACGCTCCATGCGGAGGGCAGACAGAG  
 CTCTGAAAGCCGCCAGCAGCACTGGCGCCATGAGCTGGCCAGTCCAGGAGGTAGACGAAGACCTGCC  
 AGGCCAGGAGTCTGGGAAACATGCGCAAGAACTTGAATGAGGAGACCAGGCACCTGGATGAGATGAAG  
 TCAGCCATGCGCAAGGCCATGACTTGTGAAGAAGAAAGAGGAGAAGCTGATCCAAGTGAATCTTCTC  
 TTCAGGAGGAGGTCTCTGACGAGGACACTCTGAAAGGATCCTCTATCAAGAAGGTGACCTTTGATCTCAG  
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 TCTGCTGATCCCAACAAGATCCATTACCTGAGCAGCTCCCTTCAGCGAATCAGCAGTGAGCTAAACGGCG  
 TGCTGAATGTGCTGGGAAGCCTCAACTCCAGCCGCCGCCAGGGCCTCGGCAGCCAGCCCGCCTCC  
 ACTCTTACCTCCTCACTTCGGTCTCCAAGAATGTCTTGACCTGCCTACTCTCCAGGCCAAGCTC  
 TCCTCCTATCTCCATCACACCATGTCCACCCAGTGGGCTGGGACCCAGGGCAGGGCACCAGCTGA  
 CCTCTTCTCCTCTCAAAGTGGATGATTTCTGCTGGAGAAGTGGCGCAAGTATTTCCCTCTGG  
 CATCCCGTTGCTCAGTGGCTCTCCTCCCCACCGAGAACAAGCTGGGTTATGTGTCTGTAAGTGAGCAG  
 CTCCACTTCTGACGCGCTCCCACCTCGAGTCCCAGGACGGATGGTGTGAGCATTGAGAGCTTATCG  
 ATTCACCGGAAGTGGCTGGAACATTTCCGGAACGACCCCAAGGTACAGCTTTTCTCCTCGGCGCCAA  
 AGCAACAACCACATCGAAGTTCGAACCTCTGCAGCTGGGCTGGACGAGAACAACAGACTGAATGTG  
 TTTCATTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001081373

**Insert Size:**

4002 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\_001081373.2, NP\_001074842.2

**RefSeq Size:** 5504 bp

**RefSeq ORF:** 4002 bp

**Locus ID:** 214552

**Cytogenetics:** 9 A5.2