

## Product datasheet for **MC225027**

### Dicer1 (NM\_148948) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dicer1 (NM\_148948) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dicer1  
**Synonyms:** 1110006F08Rik; D12ErtD7e; mKIAA0928  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC225027 representing NM\_148948  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGGCCTGCAGCTCATGACCCCTGCTTCTCACCATGGGTCTTTCTTTGGACTGCCATGGCAAC  
AAGAAGCAATTCATGATAACATTTATACGCCAAGAAAATACCAGGTTGAGCTGCTGGAAGCAGCTCTGGA  
CCATAACACAATTGTGTGCTTGAACACTGGCTCAGGGAAGACGTTTCATCGCGTCTCTCACCAGAG  
CTGGCCCATCAGATCAGGGGCGACCTCAACCCGCATGCAAAAAGGACCGTGTCTCTGCAACTCTGCAA  
ACCAGGTTGCTCAACAAGTGTGACCGTCAAGACTCACTCGGATCTCAAGTTGGAGAGTACTCAGACCT  
AGAAGTAAATGCATCTTGACAAAAGAGAGATGGAGCCAAGAGTTTACTAAGCACCAGGTTCTCATTATG  
ACTTGCTATGTCGCCTTGACTGTTTTGAAAAATGGTTACTTATCACTGTGACACATTAACCTTTTGGTGT  
TTGATGAGTGTACTTTCGATTCTAGACCACCCCTATCGTGAAATATGAAGCTCTGTGAGAGTTGTCC  
ATCATGCCCTCGAATTTTGGGACTAACTGCTTCCATTTTAAATGGGAAATGTGATCCAGAGGAATGGAA  
GAGAAGATTCAGAACTGGAGCGAATTCAGGAGTGACGCTGAGACGGCGACTGACTTGGTGGTCTGG  
ACAGATACACTTCTCAGCCTTGTGAGATTGTGGTAGACTGTGGACCGTTTACTGACAGAAGTGGGCTGTA  
TGAGAGATTGCTGATGGAGTTAGAAGCAGCACTTGATTTTATCAATGATTGTAATGTAGCTGTACATTCA  
AAGGAAAGAGATTCTACTTTGATTTCCAACAATCCTCTCAGACTGCCGTGCAGTGTGGTTGTTCTGG  
GACCTGGTGTGCAGATAAAGTAGCTGGGATGATGGTAAGAGAATTCAGAAGTACATCAAAATGAGCA  
AGAGGAGTACACAGGAAGTTTCCTATTGTTTACAGACACCTGTTAAGGAAAATACACGCCCTGTGTGAA  
GAGTACTTCTCACCTGCCTCACTTGACCTGAAGTATGTAACCCAAAGTCATGAACTGCTCGAGATCC  
TGCGCAAATACAAGCCCTATGAGCGACAGCAGTTTGAAGTGTGAGTGTACAATAACAGGAATCAGGA  
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GAGACAAATTTCTTCTCCGTTTACCAATATTTTATGTGGGATTATTTTGTGGAAAGAAGATACACAG  
CAGTTGCTCAACAGATTGATAAAGGAAGCTGGCAAACAAGATCCAGAGCTGGCTTATATCAGCAGCAA  
CTTTATAACTGGACACGGCATTGAAAGAACCAGCCTCGCAGCAAACAGATGGAGCGGAGTTCAGAAAG



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CAGGAGGAGTACTTAGGAAATTCGAGCTCATGAGACCAACCTGCTCATTGCAACAAGTGTGTAGAAG  
 AGGGTGTGGATATCCCAAGTGCAATTTGGTGGTTCGTTTTGATTTGCCTACAGAGTATCGATCATATGT  
 CCAGTCTAAAGGACGGGCACGAGCGCCGATCTCTAATTACGTAATGTTAGCAGATACAGACAAGATAAAG  
 AGCTTTGAAGAAGACCTCAAGACCTACAAAAGCTATTGAAAAGATCTTAAGGAACAAGTGTTCGAAGTCAG  
 CGGATGGTGTGAGGCGGACGTCCATGCTGGTGTAGATGATGAGGATGCTTTCCCGCCATATGTGCTGAG  
 GCCTGATGATGGGGTCTCGAGTCACAATCAACACTGCCATTGGACACATCAACAGATATTGTGCTCGA  
 TTACCAAGTGATCCGTTTACGCATCTAGCTCCCAAATGTAGAACCAGGAATTGCCTGATGGTACATTTT  
 ATTCAACTCTTTATCTTCCGATTAACCTACCTCTTCGAGCCTCCATTGTTGGTCCACCGATGGACAGTGT  
 ACGGTTGGCTGAAAGAGTGGTAGCTCTCATTTGCTGTGAAAAACTGCACAAAATTTGGTGAAGTGGATGAA  
 CACTTGATGCCAGTTGGGAAAGAGACTGTTAAATATGAAGAAGAGCTGGACTTACATGACGAGGAGGAGA  
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 GAGGGAGAGTTACCCCAAACCCGACCAGCCTTGTACCTGTATGTGATAGGAATGGTCTTAACTACCCCC  
 CTCCTGTGAACTCACTTCAGGCGGCGAAGCTCTACCCACCTGAGGACACCACAAGATGCTTTGGGA  
 TCCTGACAGCCAAACCCATACCTCAGATTCTCCTACTTTCTGTGTATACACGCTCTGGAGAGGTCCCAT  
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 GGAGGATATTGAGAAGTCGGAAGCTCGGATAGGCATTCTAGCACCAAGTATTCAAAGGAAAACCGTGT  
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 GATTTTATGTAGCTGATGATATACGGATCTTACCCCACTCAGTAAATTTCTTCCCCTGAATATGAAAC  
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 GACCACACATCTCCAGACTGAACCTTTTGACACCTCGGCATTTGAATCAGAAGGGGAAAGCACTCCCTC  
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 CTCAAGGACAGGATGGACTCTGAGCAGAGCCCTTCTGTTGGTACTCCTCAAGGACTCTTGGCCCAATC  
 CGGGACTGATTCTCCAGGCTTTGACACTGTCAAATGCCAGTGTGGGTTTAACTGGAGCGGCTTGAGAT  
 GCTTGGGACTCCTTTTTAAAGCATGCTATCACCACATATCTGTTTTGCACGTACCCTGATGCTCATGAA  
 GGCCGCTTTTATATGAGAAGCAAAAAGGTGAGCAACTGTAACTGTATCGCCTTGCAAGAAGAAGG  
 GACTGCCAGCCGATGGTGGTGTGATATTGATCCTCTGTGAATTGGCTTCTCCTGGTTATGTGGT  
 AAACCAAGACAAAAGTAACTCAGAGAAGTGGGAAAAGGATGAAATGACAAAAGACTGCTTGTGGCTAAT  
 GGCAAACTGGGTGAGCCTGTGAGGAGGAGGAGGACCTGACGTGGAGGGCCCCAAGGAGGAGCCGAGG  
 ATGAGGACGACTTCTGGAGTATGACCAGGAGCATATCCAGTTTATAGACAGCATGCTCATGGGCTCGGG  
 CGCCTTGTGAGGAAAATCTCTGTGCGCCTTCTCAGCCTCCGACTCTGCATACGAATGGAAGATGCC  
 AAGAAGGCTCCTTGGGCAGTATGCCGTTTGCCTCGGCCTTGAGGATTTTATTACAGCTCTTGGGATG  
 CGATGTGCTATCTGGATCTAGCAAAGCCGTTGAAGAGGATGACTTTGTGGTAGGTTTCTGGATCCATC  
 AGAAGAGAAGTGTGGCTGACACAGGGAAGCAGTCCATTTCTTACGACTTGCACACGGAGCAGTGCATT  
 GCTGACAAGAGCATAGCGGACTGTGAGGAGCCCTGCTGGGCTGCTACTTAAACAGCTGCGGCGAGAGGG  
 CTGCTCAGCTCTTCTCTGTTGCTGGGCTGAAGGTGCTCCAGTAATCAAAGGACCAGCCGGGAGAA  
 GGCTTGGACCCTGCTCAGGAGAACGGAAGCAGCCAACAAAAGAGCCTTTCAGGGAGCTGTGCTCTCCA  
 GTTGGCCACGCTCCTCTGCAGGAAAAGACTTGGAGTACGGCTGCCTGAAGATCCACCCGAGGTGCATGT  
 TTGACCATCCAGACGCAGAGAAAACCTCAACCACCTGATATCTGGGTTTGAACCTTTTGAAGAAGAAAAT  
 TAACTATAGATTAAGAAATAAGGCTTATCTTCTGCAGGCTTTTACACACGCTCTTACCCTACAACACT  
 ATCACTGATTGTTACCAGCGCTTAGAATTCCTGGGAGATGCGATTTTGGACTACCTCATAACCAAGCACC

TTTATGAAGACCCACGGCAGCATTCTCCAGGGTCTTGACTGACTTGGCTCTGCCCTTGCAATAACAC  
 CATCTTTGCATCATTGGCTGTGAAGTATGACTACCACAAGTACTTTAAAGCTGTCTCTCCTGAGCTCTT  
 CATGTTATTGATGACTTTGTGAAGTTTCAGCTTGAGAAGAAGAAATGCAAGGAATGGACTCTGAGCTTA  
 GGAGATCCGAGGAGGATGAGGAGAAAGAAGAGGATATCGAAGTCCCAAGGCCATGGGGGACATTTTGA  
 GTCTCTTGCTGGTGCCATTTATATGGACAGTGGGATGTCTCTGGAGGTGGTCTGGCAGGTGACTATCCG  
 ATGATGCAGCCTAATAGAAAAGTTTCTGCAAATGTGCCTCGTTCTCCAGTGAGAGAATTGCTCGAGA  
 TGGAAACCAGAACTGCCAAGTTTAGCCAGCGGAGAGAACTTATGATGGAAAGGTCAGAGTCACCGTGGA  
 AGTGGTGGGAAAGGGAAATTTAAAGGTGTTGGCCGGAGCTACAGGATCGCCAAGTCTGCTGCAGCACGA  
 AGGGCCCTCCGCAGCCTCAAAGCTAACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1885\\_a08.zip](https://cdn.origene.com/chromatograms/ja1885_a08.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_148948

**Insert Size:** 5721 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_148948.2](#), [NP\\_683750.2](#)

**RefSeq Size:** 9851 bp

**RefSeq ORF:** 5721 bp

**Locus ID:** 192119

Cytogenetics: 12 54.83 cM