

## Product datasheet for **MC225247**

### Dido1 (NM\_175551) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dido1 (NM_175551) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dido1
Synonyms:	6720461J16Rik; C130092D22Rik; D130048F08Rik; Datf; DATF-1; Datf1; di; dido; DIO; DIO-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225247 representing NM_175551 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATGATAAAGGGCACCTGAGCAATGAGGAAGCACCAAGGCTATCAAACCCACCAAGTAAAGGAGTTCA  
GGAAAACCTGGGTTTTTCGAAGAACCACGATTGCCAACGTGAGGGTGCAGGAGACACGGAGGTGGACCC  
CAGTGAGCAGCAACCACAGCAGCATAACCTCTCCCTGCGCCGAGTGGACGGCAACCAAAACGTACTGAG  
AGGGTAGAAGAGTTTCTTACCACGGTTCGGCGCCGAGGAAAAAAGAATGTGCCGGTGTCCCTGGAGGATT  
CCAGTGAGCCACATCTCCACAGTCACTGATGTGGAGACAGTTCGAGGGGAGCGTTGAAAGCAGTTC  
TGAGATCAGAAGTGGCCCTGTATCTGACTCCTTAGGAAAAGAATCCTGCCTCTTCTGAAAAGGCAAAA  
GGAGGTGAAGAGGAAGAAGACACCTCTGACAGTGACAGTATGGCCTTACGTTGAAGGAACCTCAGAACC  
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CTCTGTAAGCAGGAGCCTGAGGCTAGTCAGGACCAAGTGTCCAGTCAGAGACAGATGACATAGAAAATC  
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TGCTGTGATCGGTGTGAGGAGTGGTCCATGGTACTGTGTGGTATTTCTGAGGCCGAGGGCGGCTCC  
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TAGCGCCACCGATGAGCAGGACTCTGGGTGCAGATCTGTGGTGTGATGGCACAGACTGCACAAGCATA  
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GCGGCAAGAAAAACTCAAGATATTCCAGCCTGTCTGAGAGGCTCCTGGTCTCCTAAATGCATTGGCCC  
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AGCCAGAGAAGCCCACTGCACTCTCGCCACCCCTATTGAGTAAATCCATGAAGGATGACAGGAGGGTGGAGGACAGGACAATGGCAGCAGTTACCATCCCGAAGAAAGCACTTCTTCAGCCTCTTTGGTGGGCAGACAGACTTCACCTAGGAATCTTGTTCAAAGAAGCTTCTCCTTACTCTAATATGGCAGGAGCCAAACCAGCCATTAAGAAACTGCCTTCAGGCTTCAAGGGTACCATCCCAAGAGGCCATGGCCCTCAGCCACCCTGTCAGGCACTTCTGCCAGGCAGGCAGGACCAACACCTATGACAGCTGCTTCCAAAAAGTTGCCTGGCTCTGCTGCTGTGGTGGGAGTTACCAGGAAGCCAATGTCTGCCAATGTTCTGCTGCTTCTCCAGCCCAAGGACGGCTTGTCTGTGAGCCAGCTCCATCACAGCCCAATTCACAAAATTCGACAAAATATAAGGCGCTCTTGAAGAAGATTTTGTGAAAAGAGTCAATGACAGCGATGACTTAATAATGACAGAAAATGAAGTAGGAAAAATTGCCCTCCACATTGAGAAGGAGATGTTAACTTGTTCAGGTTACTGATAATCGCTATAAGAGCAAATATCGCAGCATGTTCAACCTTAAGGATCCTAAGAATCAGGGGCTCTTCCATCGTGTCTTCGAGAAGAAATCTCTTGGCAAACCTTGTGAGAAAGCCTGAAGAACTTGTATCTAAAGAGCTTTCTATGTGGACAGAGAAGCCCACAAAATCTGTGATAGAATCCAGGACTAAGTTGCTTAATGAAAGCAAGAAGAACAACACTACTAAACCAGAAACCTTCTGACATGGAAGATTCTCCACCGGTATCAGATTGAGAAGAACAACAAGAGTCAGTGCAGCCGCCCCGTGAGAAGAGCGCAGCACCTCTCCTGGACGTCTTACGACATGCTGAAGGACACCACAAGCCAGCACCGTGCCCATTTTTGATTTAACTGTAAAATCTGTACAGGTCAGGTTCCATCCTCGGAGGATGAACAGCTCCTAAGAAGCAAAGCTTTCAGCTTCTTCTAAGAAGGAAGACTTAAAGCCAGGCATGACAGCTCTCCACCTAATGCAGTTCCTAACACTGCTGATGAAGGGATTGCAGACACGCTGCCTGAAAAATGCCTCTGAGCCAGACCCGGAGAGTACATCTAGTCTTAACCAGGAGAGAAAGTGTTCCTGAGTCTCCAGGCGATAGCCATCCTGAGCCCTCGTCTCTGGGTGGCCTTTCTCCCTCTTCTGCCTCTGGTGGGAGTGGGGTGGTCAACACAGTCACCATGTCTGGTCGAGACCCAGAACTGCCTGAGTGGGTGCTGCACAGTCACAGCCTCCATGGCAGCCCATCTGGACAACCTCCAGGCTTCCAGAAACCAACTGGACATGATAAAGCCTGCATTGACTTCTGCAGTGGTGCCCAAGTCCATACTGGCTAAGCCATCCTCTCCTGACCCGAGATACCTGTGAGTACCACATCACCAAGCAATTCAGAATCACGATCCCCACCAGAAGGAGATACAACCCTTTTTTGTCTCGACTCAACAGATTTGGAAAGGATTTAATAATGACAGGTGTAGCAAAAATTTGTACTAAGGCATATCTGCTCTCTGGGTGTTGGATTATCTCAGTGAAGTTTGGCAGACCCATCCACATCGGTGGAAGGATTGCTCCAAAGACCGTGTGGGATTACGTTGGCAAACCTCAAGTCATCGGTGTCGAAGGAGCTCTGTCTGATCCGCTTCCACCCTGCCACTGAGGAGGAGGAGTTGCATACATTTCTCTACTCCTATTTTAGCAGCCGTGGTCTTTGGGGTTGTAGCTAATAACAACAGGCATGTCAAGGACCTGTACCTGATTCCACTGAGTGTAGGACCCTGTGCCATCAAACCTTTGCCCTTTGAGGGCCAGGTCTTGAATCACACGTCCAAATAAATACTTGGGTAGTAATATGTCAGAAAGTGAACGTCCTTCAAGTGTGGCGAGTTAGACAAGACAGATGAGAAGCGGACTCGACTCCAACAGGAAGAAGTGAACCTTCAAGTCTATCCCAAAGTAACTGCAGCTTTGCCATCCGAGAAGAAGCCTCCCAAGTACAGTGTACACTCTATAGACACAGCTGCTACCAGCACCAGCCCCCTGGCTCTCCTCCCCACCTCCTCCTTCTGAAACCCCAAGTATTGAAAATACTGTATCCCTCAAGCCAGGGTCCACCAGCACTGTCAAGCGCCTACCACAGCAGCAATCACTACCACAGCTTCCCCTGTTACTGCTGCCACTTCCAAAACAGCCTCGCCCTGGAAACACATCCTGCAGACTCTCTTTGGGAAAAAGAAATCATTGAGCCGTCTGGAAAAAGAAATCTGTTGGGTACTCTATCTCCACATCAGGATTCGAAGGCCAAGGGGGAGGACCAATGTGACGAGCTCCTTGTGGATCCAATTGTTCAACAGTTTGGTCAGTTCTCAAAGACAAGGCTCTGGAGGAGGAGGAGGAAGATGACAGGCCCTACGACCCTGAAGAAGAGTACAACCCTGATCGAGCATTTACATACTGCTCGCTGAGCCAGGGAGCCATGATGTGCAGAGTGTGTCTGAGACAGCTGAGAGGGAGGAGGTGGCCTATGACCCAGAAGATGAGACCATCTTAGAAGAAGCCAAAGTGACCATTGATGACTTGCCCAATCGCATGTGTATGAAAGTTAGCGCCACAGAAAGGCTGCCGACTTACCACCGATGCCTCCAGTGCTTCGTTGAGAGCAGCAGAAAATGTTAGAAGAGCTAAATAAACAGATTGAGGAGCAAAAAGGAGCAGCTGGAGGAGCAAGAAGAAGCTCTCCGACAGCAGAGGGTGTGTGGGTGTGTCCAAGCACACTTTTCTGTGTCCGATGCATTGATGTACCACCTCCCAAGTCGCTTTGGGCAAGACAGAGCTGTTCTCTCAAGAACAGCAAGCCCCAGCCCAAGTCAGGGAGCCCGAACACCAACCACAACCTAGACTCAAGACAAAGTAGGGACCCAAAGGCAGGCCAGGCGGCTCGCTGCAGAAAACACAGAGAATGAATCCCTTCTAGGGCCCCACAGGAAGCACACCTGGCCACAAGGCACCCTACCTGCAAGGGAGACTCCTGTGGGACTGCAGTAGTCCAGGGGCTGGGCTGGCAGCAGAAGCCAAGGAGTCAATGGCTGTTCCCTGGGCTCCAGGTGAAAACGCTGTGTTGAGACCTGAACATGACATCCAAAAATGTGAGCACCTGGTAACCCTGTCTCATTACCCTGGACACCAGCCACCTTCTACAGCTGGGGATGGCGACGCCAGGCCAGCCGCCCCCGAGAGTGTGCTACCCACACCCCTAGCACCACCTTTCCACCCAGCTTCCCTTTGCAACCTAAGGCCCAAAATTTTAGTTCTGGAAGCAGGGAGCCTTTCTCAGGGCCACATTTATGTCTCAGGAAACATCTCTGGCTCATCCCAATATGAGGACCCAGGGGTGCTCAGTCTGCTGGGAAGAATGACAGCCC

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GGATGTCGGGTACATCATGGTCCCAGTTTTCCAGGACCTAGGGGGCCAGTCCCTCCTTATTTCAGAAGAA
CCTTGTTCCTAATAGTGATGGACCAAGAGGCCCTCCACCTGCCAGATTTGGGGCACAGAAGCCACCAATC
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AGGGAGCGAGACAACGACAGGGCTAAGGAATGGGACCGGAGCCGCGAGAGAAGCCGGAATCGCGACCGGG
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AGACAGGGACAGGGACCGAGGCCGGGACCGGAAGGACCGCAGCAAGAGCAGAGAGAGCCCTCGGGACCAG
AAGCCTGAGGCCAGGACCTCTGAGGGGGCCCTGCTGCAGCCAGGCC TAG

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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_175551

**Insert Size:**

6771 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\\_175551.4](#), [NP\\_780760.2](#)

**RefSeq Size:**

8476 bp

**RefSeq ORF:**

6771 bp

Locus ID: 23856

UniProt ID: [Q8C9B9](#)

Cytogenetics: 2 H4

**Gene Summary:** This gene encodes a transcription factor involved in apoptosis. The encoded protein functions in cell cycle progression and plays a role in chromosomal stability. This protein regulates the self-renewal of embryonic stem cells. Disruption of this gene in mice causes symptoms similar to myelodysplastic/myeloproliferative diseases in humans. Mice lacking this gene show severely reduced fertility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (Dido3, also known as isoform 3). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.