

## Product datasheet for **MR230681**

### **Dido1 (NM\_001291432) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dido1 (NM_001291432) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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



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**ORF Nucleotide Sequence:**

>MR230681 representing NM\_001291432  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATGATAAAGGGCACCTGAGCAATGAGGAAGCACCCAAGGCTATCAAACCCACCAGTAAAGAGTTCA  
 GGAAAACCTGGGTTTTTCGAAGAACCACGATTGCCAAACGTGAGGGTGCAGGAGACCGGAGGTGGACCC  
 CAGTGAGCAGCAACCACAGCAGCATAACCTCTCCCTGCGCCGAGTGGACGGCAACCAAAACGTACTGAG  
 AGGGTAGAAGAGTTTCTTACCACGGTTCGGCGCCGAGGGAAAAAGAATGTGCCGGTGTCCCTGGAGGATT  
 CCAGTGAGCCACATCTTCCACAGTCACTGATGTGGAGACAGTTCGAGGGGAGCGTTGAAAGCAGTTC  
 TGAGATCAGAAGTGGCCCTGTATCTGACTCCTTAGGGAAAAGAACATCCTGCCTCTTCTGAAAAGGCAAAA  
 GGAGGTGAAGAGGAAGAAGACACCTCTGACAGTGACAGTGTGCCTTACGTTGAAGGAACCTCAGAACC  
 GCCTTCGGAGAAAAGCGAGAGCAAGAACCTGTGGAGAGTCCCTGAGAGGCAGTCAGAATCGCCTGAGGAA  
 GAAGCGCAGAGAGGAAGATTCTGCCGAACTGGGAGTGTCCAAATAGGCAGTGCCGAGCAGGACAGACCT  
 CTCTGTAAGCAGGAGCCTGAGGCTAGTCAGGGACCAAGTGTCCAGTCAGAGACAGATGACATAGAAAATC  
 AGTTGGAAGGGAAGGCGACTCAGGGAAATACAGAGGAAAACCCAGGGAAGCGGGCAAACCAAGCCTGA  
 GTGTGAGGTTTACGACCCCAATGCCCTGTACTGCATCTGCCGCCAGCCTCACAACAACAGTTTTATGATC  
 TGCTGTGATCGGTGTGAGGAGTGGTTCATGGTACTGTGTGGGTATTTCTGAGGCCGAGGGCGGCTCC  
 TGGAAAGGAACGGGAAGACTACATCTGCCCAAATTCACCATTTTGAAGTGCAGGATGAGACAAAACGG  
 TAGCGCCACCGATGAGCAGGACTCTGGGTGCAGATCTGTGGTGTGATGGCACAGACTGCACAAGCATA  
 GGGACAGTAGAGCAGAAGTCCGGAGAAGACCAGGGCATAAAGGGTAGGATTGAGAAGGCAGCAAAACCCCA  
 CGGGCAAGAAAAAACAAGATATTCCAGCTGTGAGAGGCTCCTGGTGTCTCTAAATGCATTGGCC  
 TGGGTGTTCCAGTGTAGCACAGCCTGACTCTGTATTGCAGTAATGACTGCATTCTCAAACACGCAGCA  
 GCTACCATGAGATTTCTAAGTTCAGGTAAGAACAACAAAAACAAACCCAAAGGAAAAGGTCAAGACGAAGC  
 CAGAAAAGTTCAGTCTTCCAAAATGCAGTGTTCAGGTGGGGATTAATCTCTTCTGTGCACAAGAGACT  
 AGCGTCAGAGAAAAGGAAAACCCAGTGAAGAAAGTGTGCTGGCTTCCAGGAGTGAAGTCTCTGGGAAG  
 GAGGCAGCCTGTGAGAGCAGCACACCCTCTGGCAAGTACCACAACATAATGCTGTGAAGCCAGAGA  
 AGCCAGAGAAGCCACTGCACTCTGCCACCCTATTGAGTAAATGTACGTATCACCCAAAGGCTGGCTT  
 CCCAGGCCCTCCATCATCTGGGTGGCTGCCTGGGGTGTCTAGGACCAGAGTCTGGGTGTTCTGGTG  
 CTGATAGTAGCCAGCAGCTCACTGCCAGCCAGAAGCAGATACCAAGATGCCTCTGGACCCAGGTGTTCC  
 TGCTAGCCTGTGGAGCCTCTCTGGGTGGTTCCTAAAGAGCTGTGTAGGCCTCATGTTGGAGGCAATTTCT  
 TATTTAGTTTTAGGCCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230681 representing NM\_001291432  
 Red=Cloning site Green=Tags(s)

MDDKGHL SNEEAPKAIKPTSKEFRKTWGFRRRTIAKREGAGDTEVDPSEQQPQQHNL SLRRSGRQPKRTE  
 RVEEFLTTVRRRGKKNVPVSLDESSEPTSSSTVTDVETASEGSVESSEIRSGPVSDSLGKEHPASSEKAK  
 GGEEEDTSDSDSDGLTLKELQNRLRRKREQEPVERSLRGSQNRLRKKRREEDSAETGSVQIGSAEQDRP  
 LCKQEPEASQGPVSQSETDDIENQLEKATQGNTENPREAGPKPECEVYDPNALYICRQPHNNRFMI  
 CCDRCEEWFHGDCVGI SEARGRL LERNGEDYICPNCTILQVQDETN SATDEQDSGCRSVGADGTDCTSI  
 GTVEQKSGEDQGIKGRIEKAANPSGKKLKI FQPVVEAPGAPKCI GPGCSSVAQPDSVYCSNDCILKHA  
 ATMRF LSSGKEQKTKPKKVKTKPEKFS LPKCSVQVGIKISSVHKRLASEKRENPKVVMLASRSETSGK  
 EAACESSTPSWASDHNYNAVKPEKPEKPTAL SPTLLSKCTYHPKAGFPGPSHHLGGCLGLSRTRVLGVLV  
 LIVASSSLPARSRYQDASGPQVFLPSLWLSGWFLKSCVGLMLEAISYFSFRPW

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001291432.1</a> , <a href="#">NP_001278361.1</a>
<b>RefSeq Size:</b>	4717 bp
<b>RefSeq ORF:</b>	1845 bp
<b>Locus ID:</b>	23856
<b>UniProt ID:</b>	<a href="#">Q8C9B9</a>
<b>Cytogenetics:</b>	2 H4
<b>MW:</b>	67.8 kDa
<b>Gene Summary:</b>	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]