

Product datasheet for **MG225049**

Dido1 (NM_175551) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dido1 (NM_175551) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dido1
Synonyms:	6720461J16Rik; C130092D22Rik; D130048F08Rik; Datf; DATF-1; Datf1; di; dido; DIO; DIO-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225049 representing NM_175551 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGATAAAGGGCACCTGAGCAATGAGGAAGCACCCAAGGCTATCAAACCCACCAGTAAGGAGTTCA
GGAAAACCTGGGTTTTTCGAAGAACCACGATTGCCAAACGTGAGGGTGCAGGAGACACGGAGGTGGACCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225049 representing NM_175551
 Red=Cloning site Green=Tags(s)

MDDKGHL SNEEAPKAIKPTSKEFRKTWGFRRTTIAKREGAGDTEVDPSEQQPQQHNL SLRRSGRQPKRTE
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 GGEEEDTSDSDSDGL TLKELQNRLRRKREQEPVERSLRGSQNRLRKKRREEDSAETGSVQIGSAEQDRP
 LCKQPEASQGPVSQSE TDDIENQLE GKATQGNTEENPREAGKPKPECEVYDPNALYICRQPHNNRFMI
 CCDRCEEWFHGDCVGI SEARGRL LERNGEDYICPNCTILQVQDE TNGSATDEQDSGCRSVGADGTCTSI
 GTVEQKSGEDQGIKGRIEKAANPSGKKLKI FQPVVEAPGAPKCI GPGCSSVAQPDSVYCSNDCILKHAA
 ATMRF LSSGKEQKTKPK EKVKTKPEKFS LPKCSVQVGIKISSVHKRLASEKREN PVKVM LARSSETSGK
 EAACESSTPSWASDHNYNAVKPEKPEKPTAL SPTLLSKSMKDDRRVEDRTMAAVTIPKKALPASLVGRQ
 TSPRNLVPKLLPPYSNMAGAKPAIKKLP SGFKGTIPKRPWPSATLSGTSARQAGPTMTAASKKLP GSAA
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 LEELNKQIEEQKRQLEEQEEALRQRAAVGV SMAHFSVSDALMSPPPSSLGKTELF SQQEQAPDPSQGA
 PNTNHNLD SRQSRDPRQARRLAAENTENESL PRAPTGSTPGPQGTLPARETPAGTAVVQGPGLAAEAKES
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 KPEARTSEGGPAAAQA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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: 8473 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]