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Product datasheet for MC223859

Dido1 (NM_177852) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dido1 (NM_177852) 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:	>MC223859 representing NM_177852 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGATGATAAAGGGCACCTGAGCAATGAGGAAGCACCCAAGGCTATCAAACCCACCAGTAAGGAGTTCA GGAAAACCTGGGGTTTTCGAAGAACCACGATTGCCAAACGTGAGGGTGCAGGAGACACGGAGGTGGACCC CAGTGAGCAGCAACCACAGCAGCATAACCTCTCCCTGCGCCGCAGTGGACGGCAACCAAAACGTACTGAG AGGGTAGAAGAGTTTCTTACCACGGTTCGGCGCCGAGGGAAAAAGAATGTGCCGGTGTCCCTGGAGGATT CCAGTGAGCCCACATCTTCCACAGTCACTGATGTGGAGACAGCTTCCGAGGGGAGCGTTGAAAGCAGTTC TGAGATCAGAAGTGGCCCTGTATCTGACTCCTTAGGGAAAGAACATCCTGCCTCTTCTGAAAAGGCAAAA GGAGGTGAAGAGGAAGAAGACACCTCTGACAGTGACAGTGATGGCCTTACGTTGAAGGAACTTCAGAACC GCCTTCGGAGAAAGCGAGAGCAAGAACCTGTGGAGAGGTCCCTGAGAGGCAGTCAGAATCGCCTGAGGAA GAAGCGCAGAGAGGAAGATTCTGCCGAAACTGGGAGTGTCCAAATAGGCAGTGCCGAGCAGGACAGACCT CTCTGTAAGCAGGAGCCTGAGGCTAGTCAGGGACCAGTGTCCCAGTCAGAGACAGATGACATAGAAAATC AGTTGGAAGGGAAGGCGACTCAGGGAAATACAGAGGAAAACCCCAGGGAAGCGGGCAAACCAAAGCCTGA GTGTGAGGTTTACGACCCCAATGCCCTGTACTGCATCTGCCGCCAGCCTCACAACAACAGGTTTATGATC TGCTGTGATCGGTGTGAGGAGTGGTTCCATGGTGACTGTGTGGGTATTTCTGAGGCCCGAGGGCGGCTCC TGGAAAGGAACGGGGAAGACTACATCTGCCCAAATTGCACCATTTTGCAAGTGCAGGATGAGACAAACGG TAGCGCCACCGATGAGCAGGACTCTGGGTGCAGATCTGTGGGTGCTGATGGCACAGACTGCACAAGCATA GGGACAGTAGAGCAGAAGTCCGGAGAAGACCAGGGCATAAAGGGTAGGATTGAGAAGGCAGCAAACCCCA GCGGCAAGAAAAAACTCAAGATATTCCAGCCTGTCGTAGAGGCTCCTGGTGCTCCTAAATGCATTGGCCC TGGGTGTTCCAGTGTAGCACAGCCTGACTCTGTGTATTGCAGTAATGACTGCATTCTCAAACACGCAGCA GCTACCATGAGATTTCTAAGTTCAGGTAAAGAACAAAAAACAAAACCCAAGGAAAAGGTCAAGACGAAGC CAGAAAAGTTCAGTCTTCCAAAATGCAGTGTTCAGGTGGGGATTAAAATCTCTTCTGTGCACAAGAGACT AGCGTCAGAGAAAAGGGAAAACCCAGTGAAGAAAGTGATGCTGGCTTCCAGGAGTGAGACTTCTGGGAAG GAGGCAGCCTGTGAGAGCAGCACACCATCCTGGGCAAGTGACCACAACTACAATGCTGTGAAGCCAGAGA

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AGCCAGAGAAGCCCACTGCACTCTCGCCCACCCTATTGAGTAAATCCATGAAGGATGACAGGAGGGTGGA
GGACAGGACAATGGCAGCAGTTACCATCCCGAAGAAAGCACTTCCTTCAGCCTCTTTGGTGGGCAGACAG
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TAGCTAATAACAACAGGCATGTCAAGGACCTGTACCTGATTCCACTGAGTGCTAAGGACCCTGTGCCATC
CAAACTCTTGCCCTTTGAGGGCCCAGGTAAGCACCCAGTTTCTGGGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177852

Insert Size: 3552 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_177852.4, NP_808520.2

RefSeq Size: 7259 bp

RefSeq ORF: 3552 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 (2) differs in the 5' UTR and contains a 3' terminal exon that extends past a splice site used in variant 3. This results in a novel 3' coding region and 3' UTR compared to variant 3. The encoded isoform (Dido2, also known as isoform 2) is shorter and has a distinct C-terminus compared to isoform Dido3. Variants 2 and 5 encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.