OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC112551

DATF1 (DIDO1) (NM_022105) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DATF1 (DIDO1) (NM_022105) Human Untagged Clone
Tag:	Tag Free
Symbol:	DATF1
Synonyms:	BYE1; C20orf158; DATF-1; DATF1; DIDO2; DIDO3; DIO-1; DIO1; dJ885L7.8
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_022105, the custom clone sequence may differ by one or more nucleotides

ATGGACGACAAAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTCA
GGAAAACATGGGGTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCC
ACTGGAGCCGCCACCCCCACAGCAGCAGCTGGGCCTGTCCCTGCGGCGCAGTGGGAGGCAGCCCAAGCGC
ACTGAGCGCGTGGAGCAGTTCCTGACCATTGCGCGGCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGG
AGGATTCTGGTGAGCCCACGTCCTGCCCCGCCACAGACGCCGAGACAGCCTCCGAGGGCAGCGTGGAAAG
CGCTTCTGAGACCAGAAGCGGCCCCCAGTCTGCTTCCACAGCTGTGAAGGAACGACCAGCCTCTTCTGAA
AAGGTGAAAGGAGGGGATGACCACGATGACACCTCCGATAGTGACAGCGATGGCCTGACCTTGAAAGAGC
TTCAGAATCGCCTTCGCAGGAAGCGGGAACAGGAGCCCACTGAGAGGCCCCTGAAAGGGATCCAGAGTCG
CCTGCGGAAGAAGCGCCGGGAGGAGGGTCCCGCCGAGACTGTGGGCTCCGAGGCCAGTGACACTGTGGAG
GGCGTCCTGCCCAGTAAGCAGGAGCCCGAGAACGATCAGGGGGTTGTGTCCCAGGCTGGGAAAGATGACA
GAGAGAGTAAGTTGGAGGGAAAGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACC
GAAGCCTGAATGTGAGGGTTACGACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACAGG
TTTATGATTTGCTGTGACCGCTGTGAAGAATGGTTTCATGGCGATTGTGTGGGCATTTCTGAGGCTCGAG
GGAGGCTTTTGGAAAGGAATGGGGAAGACTATATCTGCCCAAACTGCACCATTCTGCAAGTGCAGGATGA
GACTCATTCAGAAACGGCAGATCAGCAGGAAGCTAAATGGAGACCTGGAGATGCTGATGGCACCGATTGT
ACAAGTATAGGAACAATAGAGCAGAAGTCTAGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTG
CAAATCCAAGTGGCAAGAAGAAACTCAAGATCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAAATG
TATTGGCCCCGGGTGCTGTCACGTGGCGCAGCCCGACTCGGTGTACTGCAGTAATGACTGTATCCTCAAA
CACGCCGCAGCGACAATGAAGTTTCTAAGCTCAGGTAAAGAACAGAAGCCAAAGCCTAAAGAAAAGATGA
AGATGAAGCCAGAGAAGCCCAGTCTTCCGAAATGCGGTGCTCAGGCAGGTATTAAAATCTCTTCTGTGCA
CAAGAGACCAGCTCCAGAAAAAAAAGAGACCACAGTGAAGAAGGCAGTGGTGGTCCCTGCGCGGAGTGAA
GCACTCGGGAAGGAAGCAGCTTGTGAGAGCAGCACGCCGTCGTGGGCGAGCGATCACAATTACAATGCAG
TAAAGCCAGAAAAGACTGCTGCTCCCTCGCCGTCACTGTTGTATAAATGTATGTATCACCTAGGGGTTGG
CCTCCTGGACCCCTCCCGTTCTTTCTGGATAGCCATCCCCTGGGCCTGTCCAGGACTGGGAGTTGCAGCT
TTGTGTTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022105 unedited
GGATTTTGTATACGACTCACTATAGGCGGCCGCGATTCGGCACGAGGGCCCACTCCGCGG
CGTTCGGGGAATGGCTGCGAGACCCTAGAGGCCTGCGGAGCTTACTCCACGGGAACAGCC
TCTAGATAATCTGAGTTGTTGAAAATACGAAGCCTGTTACTCGTGAACAGTGGCTGACAA
CAGTGTTGTTGTGAGCCTGGCTGTCTGCTTGGACCCAGAGGTTTCGTCTGCCAGGGTTTT
TGGTTGTATTTAGGATTTCAGGGAAAAGTGTCCAAGCTTTCAGTGTTGGAGCAGGTATGG
ACGACAAAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAG
AGTTCAGGAAAACATGGGGTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGG
ACGCGGAGGCTGACCCACTGGAGCCGCCACCCCCACAGCAGCAGCTGGGCCTGTCCCTGC
GGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGCGCGTGGAGCAGTTCCTGACCATTGCGC
GGCGCCGCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCTGGTGAGCCCACGTCCT
GCCCCGCACAGACGCCGAGACAGCCTCCGAGGNCAGCGTGGAAAGCGCTTCTGAACCAGA
AGCGGCCCCCAGTCTGCTTCCACAGCTGTGAAGGAACGACCAGCCTCTTTGNAAAGGGGT
GAAGGAGGGGATGACCACGATGACACCTCCGATAGTGCCAGCGATGGNCCTGACCTTGNA
AGAGCTTCAGAATCGCTTCGCAGGAAGCGGAAACAGGACCACTGANAGGCCTGNNAAGGA
ATCCCNATCCTGNGAAACGCGNNNAGAGAGGGTCCCAGATTGCTCACGAANANNNNAGGN
NGGNNNNNNNNNCAANCCAAAAACAAAAAAAAAAAAAANNNNNNNNNNNNNNAAAAAAAA
AAA

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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_022105 unedited
GTACGCGGCCGCATCTAGATCGAGTTTTTTTTTTTTTTTTTTAAAAACTGAATTGAAAAT
AGTTTTATAGCAGAAAACTGAGAAACAAGAAAACATTAAAATTGCACCACAGAATCTGAG
GTTTCAAAGATCTGTTTGAAATATCTTCATTTCATTAATTTGAAATTTGGGGCAGGATAT
GATCTTAAGAGTCTAAACATTCAAGAGACGAGGGCAAGAAAGCCAGTCACATGTAGAATA
CCAAGTCCAAGGCACGCGTCCTGCGGTCAGGACAGTGTTCTAGGTGTGAACTCACTTACC
GTGGGGCCTATGAAGCAGGAGTGTGTGGCCTTCGAAGTTCGAATGTGTTCATGTGGGTGT
GTAGCGTGTGAATCGGACATGGAAAAAAAAAAATCCCCTATCTGCCCAGTCAAAAATAAA
TGTACACCTGAAAATCAGATGCAACACTAACTTGCAAAGATTCCCACAACATAAAAAAGA
AGTGATGCTTTCATGTGCTGGCCGTGGACAATGTGGAAAAACTGAAGCGTATACAGCGCT
GTTGTCAGAACAACTCATGTGCAAACAGGGGTGGATGTGGCGTGCCGGGCAGTGTGGCTA
TGCAATCAGACTGCGATGAAGAGAATACAAATACTTACCAGAGCCTGAGAGTGAAACCAG
AGATTAAAGAATCAATCATCTAAGGTGAACGTTCACCATTGAGGTTTACAGCTTTCGGAA
AACACGGACAGGAATGTCCTGACATACTAGGGATGGACCAGGGCAGCAGGAGGCATTCCT
GACATGGGCCTTGCTTCCCGTGATGTTGCACCCGGCGCCTGTGATCATCCTAACCCAAAC
TGCACCTTCCATCCCTGAACAGGCCAGGGGATGGCTTTCCCTAAGACCGGAAGGGTCATG
AGGCCACCCCTAGGGATCATTCTTCATACACAGGACGGAAGGAGCCAAGCCTTCTCGCTT
ATTGCTGAATTGGACGCTCCCCCAAGGGATGGTTTAAATTGTTCTTG
```

Restriction Sites: NotI-NotI

ACCN: NM_022105

Insert Size: 2700 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_022105.3, NP_071388.2

RefSeq Size: 2816 bp

RefSeq ORF: 1689 bp

Locus ID: 11083

UniProt ID: Q9BTC0

Cytogenetics: 20q13.33

Domains: PHD

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Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Apoptosis, a major form of cell death, is an efficient mechanism for eliminating unwanted cells and is of central importance for development and homeostasis in metazoan animals. In mice, the death inducer-obliterator-1 gene is upregulated by apoptotic signals and encodes a cytoplasmic protein that translocates to the nucleus upon apoptotic signal activation. When overexpressed, the mouse protein induced apoptosis in cell lines growing in vitro. This gene is similar to the mouse gene and therefore is thought to be involved in apoptosis. Alternatively spliced transcripts have been found for this gene, encoding multiple isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) has a different segment and lacks most of the 3' coding region, compared to variant 4. The resulting protein (isoform a) has a shorter and distinct C-terminus when it is compared to isoform c. Variants 1 and 2 encode the same protein (isoform a).

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