

Product datasheet for **SC110218**

DATAF1 (DIDO1) (NM_080796) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DATAF1 (DIDO1) (NM_080796) Human Untagged Clone
Tag:	Tag Free
Symbol:	DATAF1
Synonyms:	BYE1; C20orf158; DATAF-1; DATAF1; DIDO2; DIDO3; DIO-1; DIO1; dj885L7.8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC110218 sequence for NM_080796 edited (data generated by NextGen Sequencing)

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ATGGACGACAAAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGC
AAAGAGTTCAGGAAAACATGGGGTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCA
GGGGACGCGGAGGCTGACCCACTGGAGCCGCCACCCACAGCAGCAGCTGGGCCTGTCC
CTGCGGCGCAGTGGGAGGCAGCCCAAGCGCACTGAGCGCGTGGAGCAGTTCCTGACCATT
GCGCGGCGCCGCGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCTGGTGAGCCACG
TCCTGCCCGGCCACAGACGCGGAGACAGCCTCCGAGGGCAGCGTGAAAGCGCTTCTGAG
ACCAGAAGCGGCCCCAGTCTGCTTCCACAGCTGTGAAGGAACGACCAGCCTCTTCTGAA
AAGGTGAAAGGAGGGGATGACCACGATGACACCTCCGATAGTGACAGCGATGGCCTGACC
TTGAAAGAGCTTCAGAATCGCCTTCGCAGGAAGCGGGAACAGGAGCCCACTGAGAGGCC
CTGAAAGGGATCCAGAGTCGCTGCGGAAGAAGCGCCGGGAGGAGGTCCCGCCGAGACT
GTGGGCTCCGAGGCCAGTGACACTGTGGAGGGCGTCTGCCAGTAAGCAGGAGCCCGAG
AACGATCAGGGGTTGTGTCCAGGCTGGGAAAGATGACAGAGAGTAAGTTGGAGGGA
AAGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACCGAAGCCTGAA
TGTGAGGGTTACGACCCCAACGCCCTGTATTGCATTTGCCGCCAGCCTCACAACAACAGG
TTTATGATTTGCTGTGACCGCTGTGAAGAATGGTTTCATGGCGATTGTGTGGCATTTC
GAGGCTCGAGGGAGGCTTTTGGAAAGGAATGGGGAAGACTATATCTGCCCAAAGTGCACC
ATTCTGCAAGTGCAGGATGAGACTCATTGAGAAACGGCAGATCAGCAGGAAGCTAAATGG
AGACCTGGAGATGCTGATGGCACCGATTGTACAAGTATAGGAACAATAGAGCAGAAGTCT
AGCGAAGACCAAGGGATAAAGGGTAGAATTGAGAAAGCTGCAAAATCCAAGTGGAAGAAG
AAACTCAAGATCTTCCAGCCTGTGATAGAGGCGCCTGGTGCCTCAAAATGATTGGCCCC
GGGTGTGTACGTGGCGCAGCCGACTCGGTGTACTGCAGTAATGACTGTATCCTCAAA
CACGCCGACGACAATGAAGTTTCTAAGCTCAGGTAAAGAACAGAAAGCCAAAGCCTAAA
GAAAAGATGAAGATGAAGCCAGAGAAGCCAGTCTTCCGAAATGCGGTGCTCAGGCAGGT
ATTAATACTCTTCTGTGCAACAAGAGACCAGCTCCAGAAAAAAGAGACCACAGTGAAG
AAGGCAGTGGTGGTCCCTGCGCGGAGTGAAGCACTCGGGAAGGAAGCAGCTTGTGAGAGC
AGCACGCCGTCGTGGGCGAGCGATCACAATTACAATGCAGTAAAGCCAGAAAAGACTGCT
GCTCCCTCGCGTCACTGTTGTATAAATGTATGTATCACCTAGGGGTTGGCCTCCTGGAC
CCCTCCGTTCTTCTGGATAGCCATCCCCTGGCCTGTCCAGGACTGGGAGTTGCAGCT
TTGTGTTAA
    
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Clone variation with respect to NM_080796.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_080796 unedited
TTTGTAAACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGCTCTGGCAAGATGG
CTGCTGCGGAGGGGTTGGAGCGCGGAAATCTGGAACCGGGATGGCGACGTCTACACTGAG
TCGGAGGCGAAGGAGCTTACTCCACGGGAACAGCCTCTAGATAATCTGAGTTGTTGAAAA
TACGAAGCCTGTTACTCGTGAACAGTGGCTGACAACAGTGTGTTGTGAGCCTGGCTGTC
TGCTTGGACCCAGAGGTTTCGTCTGCCAGGTTTTTGGTTGTATTTAGGATTTACAGGAA
AAGTGTCCAAGCTTTCAGTGTGGAGCAGGTATGGACGACAAAGGCGACCCGAGCAATGA
GGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTCAGGAAAACATGGGGTTTTCG
AAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCCACTGGAGCC
GCCACCCACAGCAGCAGCTGGCCTGTCCCTGCGGCGCAGTGGGAGGCAGCCAAAGCG
CACTGAGCGCGTGGAGCAGTTCCTGACCATTGCGCGGCGCGCGGAGGAGGAGCATGCC
TGTCTCCCTGGAGGATTCTGGTGAAGCGCTTCTGAGACCAAGAGCGGCCCCAGTCTGTTCCAC
AGCTGTGAAGGAACGACCAGCCTTCTGAAAAGGGTGAAGGAGGNGATGACCACGATGA
CACCTCCGATAGTGACAGCGATGGCCTGACCTTGAAGAGCTTCAGAATCGCCTTCGACAG
AGCGGNAACAGGAGCCCACTGAGAGGNCCCCTGAAGGGATCCAGAATCGCCTGCGGAAAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_080796 unedited ACCGCGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGGACTGAATTGAAAATAG TTTTATAGCAGAAAACAGAGAAACAAGAAAACATTAATAATTGCACCACAGAATCTGAGGT TTCAAAGATCTGTTTGAATATCTTCATTTCAATTAATTTGAAATTTGGGGCAGGATATGA TCTTAAGAGTCTAAACATTCAAGAGACGAGGGCAAGAAAGCCAGTCACATGTAGAATACC AAGTCCAAGGCACGCGTCTGCGGTCAGGACAGTGTCTAGGTGTGAACTCACTTACCGT GGGGCCTATGAAGCAGGAGTGTGTGGCCTTCGAAGTTCGAATGTGTTTCATGTGGGTGTG AGCGTGTGAATCGGACATGGAAAAAAAAAATCCCTATCTGCCAGTCAAAAAATAATG TACACCTGAAAATCAGATGCAACACTAAGTTCGAAAGATTCACAAACATTAAAAAAAA AGNAAAAANNNNGGAAAAGGGGCCCTTTTTTCCATTTTTTGGCCCCCGGGCCCCC CGGGGACCCACAAATTTGGGGGGGAAAAAAAAAACTTGGTGAACGCGCTTTTTTTT CCACCCCCCGCTTTTTTGTGTTGGTCAAAAAAAAAAACACCCCCCTCTTCTGT TTGGTGGCCCCAAAAAAGAGCGGGGGGGGTGTGTTATATTTTATTTCTGCCTCCCCC CTCCCCCGCGGGCACAAGTGGGGGGGGGTGTTTTTCTTCTCNCACCCCCCGCG GGGGGTGGGGGAGAGAAAAAAAAAATAAAATAACTTTTTCTCCTCACCCCGCCG CCCGGGGGGGGGCGCCCCACCCATAATAAAAAAATTCTTTTTTTGGGTGGGG GCGCGCCCCCCCCCGGGGGTGTGTTCTCTTTTTATAAAAAATAAACAAAAGAGGG AGGGTCCCCTTTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_080796
Insert Size:	2680 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:	<ol style="list-style-type: none"> 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:	<u>NM_080796.2, NP_542986.1</u>
RefSeq Size:	2751 bp
RefSeq ORF:	1689 bp
Locus ID:	11083
UniProt ID:	<u>Q9BTC0</u>
Cytogenetics:	20q13.33
Domains:	PHD

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-obliterators-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 (2) contains a different 5' UTR 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).