

## Product datasheet for **SC124433**

### **DATF1 (DIDO1) (NM\_080797) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DATF1 (DIDO1) (NM_080797) 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:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_080797, the custom clone sequence may differ by one or more nucleotides

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ATGGACGACAAAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTCA
GGAAAACATGGGGTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCC
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AGGATTCTGGTGAGCCCACGTCTGCCCGCCACAGACGCCGAGACAGCCTCCGAGGGCAGCGTGGAAAG
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TTCAGAATCGCCTTCGCAGGAAGCGGGAACAGGAGCCCACTGAGAGGCCCTGAAAGGGATCCAGAGTCG
CCTGCGGAAGAAGCGCCGGGAGGAGGTTCCCGCCGAGACTGTGGGCTCCGAGGCCAGTGACACTGTGGAG
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GAGAGAGTAAGTTGGAGGGAAAGGCGGCTCAGGACATCAAAGATGAGGAGCCTGGAGACTTGGGCCGACC
GAAGCCTGAATGTGAGGGTTACGACCCCAACGCCCTGTATTGCATTTGCCCCAGCCTCACAAACAGG
TTTATGATTTGCTGTGACCGCTGTGAAGAATGGTTTCA TGCGGATTGTGTGGCATTCTGAGGCTCGAG
GGAGGCTTTTGGAAAGGAATGGGAAGACTATATCTGCCCAAACGACCATTCTGCAAGTGCCAGGATGA
GACTCATTGAGAAACGGCAGATCAGCAGGAAGCTAAATGGAGCCTGGAGATGTGATGGCACCGATTGT
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AGATGAAGCCAGAGAAGCCAGTCTTCCGAAATGCGGTGCTCAGGCAGGTATTAATACTCTTCTGTGCA
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GCACTCGGAAGGAAGCAGCTTGTGAGAGCAGCAGCCGTCGTGGGCGAGCGATACAATACAATGCAG
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CGAGGAGAAAGCGGCAGCCATGGCAGCCTCAAAGAAAACAGCCCCTCCAGGCTCCGCGGTGGGCAAGCAG  
 CCTGCACCTAGAAACCTCGTGCCAAAGAAGTCTTCTTTTGTAAATGTGGCAGCAGCCACACCAGCCATTA  
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 TCCGCTGCTTTGGTGGGAGCCGTAAAGGAAGCCAGTGGTACCTTCTGTTCCAATGGCTCGCCAGCCCCAG  
 GACGCTTGGGGCTATGAGTCTGCACCATCGCAGCCAAATCACAAATTCGGCAAAATATCAGACGCTC  
 CTTAAAAGAGATTTTGTGAAAAGAGTCAATGACAGCGATGACTTAATCATGACAGAAAACGAAGTAGGA  
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 CTTCTGTGATGGTGGCCAAAGTCCATACTAGCTAAGCCATCCTCATCTCCTGACCCAAGATACCTGTGAGT  
 TCCTCCGTACCAAATATCAGCACTTCAGAATCACGTTCCCTCCAGAGGGAGACAGCACCCTCTTTTTG  
 TCTCGACTCAGCACCATTTGAAAAGGATTTAATAACATGCAGAGTGTGGCAAAATTTGCTACTAAGGCGT  
 ATCCTGTCTGTGGTGTGTTTATTACCTCAGTGAGGATTTGCCTGACACAATTCATTGGTGGGAGGAT  
 CGCACCAGAACAGTGTGGGATTATGTTGGCAACTCAAGTCTTCTGTGTCTAAGGAGCTGTGTCTGATC  
 CGCTTCCACCCCGCCACAGAGGAAGAGGAGGTCGCTATATCTCTCTACTCCTATTTACAGCAGCCGTG  
 GCCGCTTTGGTGTGTAGCTAATAACAACAGGCACGTCAAGGACCTTACCTGATCCCGCTGAGCGCCCA  
 GGACCCTGTTCCATCCAACTCTTGCCCTTTGAGGACCAGGTAAGCGCCGGCTTCTGGGTGGAGGTGA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_080797 unedited  
 ACTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCCTCGTGCCGAATTCGGCACGAGGGA  
 TAATCTGAGTTGTTGAAAATACGAAGCCTGTTACTCGTGAACAGTGGCTGACAACAGTGT  
 TGTTGTGAGCCTGGCTGTCTGCTGGACCCAGAGGTTTCGTCTGCCAGGGTTTTTGGTTG  
 TATTTAGGATTTTCAGGGAAAAGTGTCCAAGCTTTCAGTGTGGAGCAGGTATGGACGACA  
 AAGGCGACCCGAGCAATGAGGAGGCACCTAAGGCCATCAAACCCACCAGCAAAGAGTTCA  
 GAAAAACATGGGGTTTTTCGAAGGACCACTATCGCCAAGCGAGAGGGCGCAGGGGACGCGG  
 AGGCTGACCCACTGGAGCCGCCACCCCCACAGCAGCAGCTGGGCCTGTCCCTGCGGCGCA  
 GTGGGAGGCAGCCCAAGCGCACTGAGCGCGTGGAGCAGTTCCTGACCATTGCGCGCGCC  
 GCGGCAGGAGGAGCATGCCTGTCTCCCTGGAGGATTCTGGTGAGCCCACGTCTGCCCCG  
 CCACAGACGCCGAGACAGCCTCCGAGGGCAGCGTGGAAAGCGCTTCTGAGACCAGAAGCG  
 GCCCCAGTCTGCTTCCACAGCTGTGAAGGAACGACCAGCCTCTTCTGAAAGGTGAAAGG  
 AGGGGATGACCACGATGACACCTCCGATAGTGACAGCGATGGCCTGACCTTCAAAGAGCT  
 TCAGAATCGCCTTCGANGAAGCGGGAACAGGAGCCCACTGAGGAGCCCTGAAAGGGAT  
 CCAGAGTCGCTTCGGAAGAAGCGCCGGGAGGGAGGTCGCCGAGACTGTGGGCTCCC  
 GAGCCAGTGACCTGTGGGAGGGCGTCTGCCATAGCN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_080797

**Insert Size:**

4400 bp

<b>OTI Disclaimer:</b>	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).
<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_080797.2</a> , <a href="#">NP_542987.2</a>
<b>RefSeq Size:</b>	7657 bp
<b>RefSeq ORF:</b>	3570 bp
<b>Locus ID:</b>	11083
<b>UniProt ID:</b>	<a href="#">Q9BTC0</a>
<b>Cytogenetics:</b>	20q13.33
<b>Domains:</b>	PHD
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) contains a different terminal exon, compared to variant 4. It encodes a protein (isoform b) that has a distinct and shorter C-terminus when it is compared to isoform c. Variants 3 and 6 encode the same protein (isoform c). 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.</p>