

Product datasheet for RC213278

DATF1 (DIDO1) (NM_080797) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DATF1 (DIDO1) (NM_080797) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DIDO1
Synonyms:	BYE1; C20orf158; DATF-1; DATF1; DIDO2; DIDO3; DIO-1; DIO1; dj885L7.8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213278 representing NM_080797 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

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GGAAAACATGGGGTTTTTGAAGGACCCTATCGCCAAGCGAGAGGGCGCAGGGGACGCGGAGGCTGACCC
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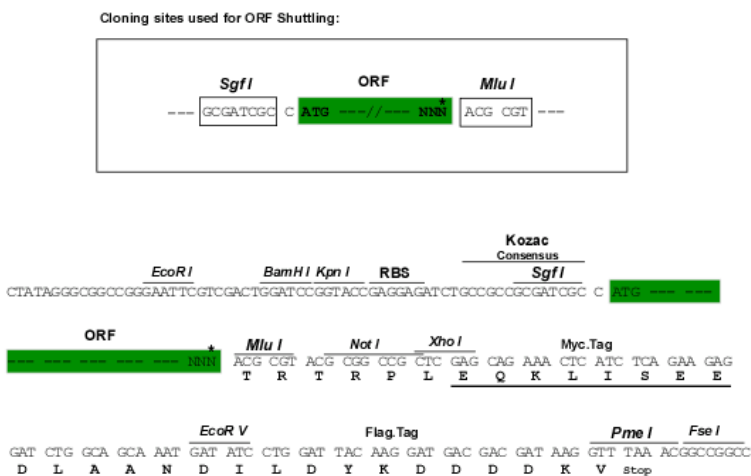
Protein Sequence: >RC213278 representing NM_080797
 Red=Cloning site Green=Tags(s)

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 TERVEQFLTIARRRRGRSMPVSLSDSGEPTSCPATDAETAEGSVESASETRSGPQSASTAVKERPASSE
 KVKGGDDHDDTSDSDSDGLTLKELQNLRRKREQEPTERPLKGIQSRLLRKKRREEGPAETVGSEASDVE
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 FMICCDRCEWFHGDCVGISEARGRLLERNGEDIICPNCTILVQVQDETHSETADQEQEAKWRPGDADGDC
 TSIGTIEQKSSAQGRIEKAANPSGKKLKIFQPVIEAPGASKCIGPGCCHVAQPDVSVYCSNDICLK
 HAAATMKFLSSGKEQPKPKPEKMKMPEKPSLPCGAQAGIKISSVHKRPAPEKKEKTTVKKAVVVPARSE
 ALGKEAACESSTPSWADHNYNAVKPEKTAAPSPSLLYKSTKEDRRSEEKAAAMAASKKTAAPGSAVGKQ
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 KIALHIEKEMFNLFQVTDNRYKSKYRSIMFNLDKPNQGLFHRVLRREEISLAKL VRLKPEELVSKELSTW
 KERPARSVMESRTKLHNESKKTAPRQEAIPDLEDSPVSDSEEQESARAVPEKSTAPLLDVFSSMLKDT
 TSQHRAHLFDLNCKICTQVPSAEDEPAPKKQKLSASVKKEDLKSXHDSSAPDPADSADEVMPAEVPEV
 ASEPGLESASHPNVDRTYFPGPPGDGHPEPSPLEDLSPCPASCDSGVTTVTVSGRDPRTAPSSSCTAVA
 SAASRPDSTHMVEARQDVPKPVLTSVMVPKSI LAKPSSSPDPRLSVPPSPNIISTESRSPPEGDITLFL
 SRLSTIWKGFINMQSVAKFVTKAYVSGCFDYLSIDLPTIHIGGRIAPKTVWDYVGLKSSVSKELCLI
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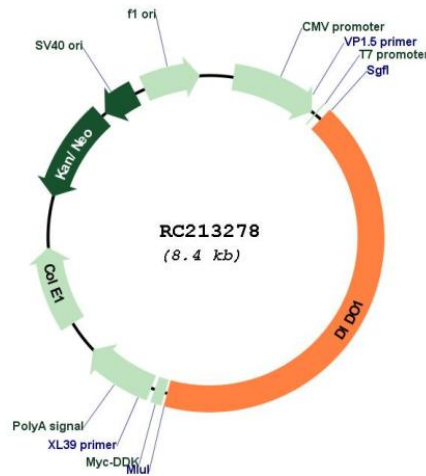
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_080797

ORF Size: 3567 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_080797.4](#)

RefSeq Size: 7657 bp

RefSeq ORF: 3570 bp

Locus ID: 11083

UniProt ID: [Q9BTC0](#)

Cytogenetics: 20q13.33

Domains:	PHD
Protein Families:	Druggable Genome, Transcription Factors
MW:	129.2 kDa
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]