

Product datasheet for **MC226823**

Tfdp1 (NM_001291766) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfdp1 (NM_001291766) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tfdp1
Synonyms:	Dp1; Drtf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226823 representing NM_001291766 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGTGTGTGAGAAGGTGCAGAGGAAAGGAACCCCTCTACAATGAGGTGGCTGACGAGCTGGTGG
CAGAGTTCAGCGCTGCCGACAACCACATTCTACCAAACGAATCAGCTTATGACCAGAAGAACATCCGGCG
GCGTGTCTACGATGCCTTAAATGTGCTAATGGCCATGAACATCATCTCCAAGGAGAAGAAGGAGATCAA
TGGATCGGCCTGCCCAACTCAGCTCAGGAGTGCCAGAATTAGAGGTAGAGAGGCAGAGGAGGCTGG
AGAGGATCAAACAGAAGCAGTCACAGCTCCAGGAGCTCATCTGCAGCAAATTGCCTTCAAGAACTTGGT
GCAGAGAAATCGCCAAGCTGAGCAGCAGGCCCGCAGGCCCTCTCCAACTCTGTCATCCACTTGCCC
TTCATCATTGTCAACACCAGCAGGAAGACATCTGACTGCAGCATCTCCAATGACAAATTTGAGTATC
TGTTTAACTTTGACAACACGTTTGGAGATCCACGATGACATTGAGGTGCTCAAGCGCATGGGCATGGCATG
TGGGCTGGAGTCTGGCAACTGCTCTGCTGAAGACCTCAAGGTGGCCAGAAGTTTGGTACCAAAAGCTCTA
GAACCATACGTGACAGAAATGGCTCAGGGATCCATTGGTGGAGTATTGTCACGACAACAGGTTCTACAT
CCAATGGCACAAGGCTTCTGCCAGTGATTTGAGCAATGGTGCAGATGGGATGCTGGCCACGAGCTCCAA
TGGGTCTCAGTACAGCGGCTCCAGGTCGAGACCCCTGTGTCTACGTTGGGAGGATGATGACGACGAT
GATGACTTTAATGAGAACGACGAGGAGGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001291766
Insert Size:	873 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001291766.1</u> , <u>NP_001278695.1</u>
RefSeq Size:	2517 bp
RefSeq ORF:	873 bp
Locus ID:	21781
Cytogenetics:	8 A1.1
Gene Summary:	<p>Can stimulate E2F-dependent transcription. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The E2F1:DP complex appears to mediate both cell proliferation and apoptosis. Blocks adipocyte differentiation by repressing CEBPA binding to its target gene promoters (PubMed:20176812).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region and uses a downstream start codon compared to variant 1. It encodes isoform b, which has a shorter N-terminus compared to isoform a. Variants 3, 4 and 5 encode the same isoform (b).</p>