

## Product datasheet for **MC227551**

### Tfdp1 (NM\_001291765) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tfdp1 (NM_001291765) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tfdp1
Synonyms:	Dp1; Drtf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227551 representing NM_001291765 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAAAAGATGCCAGTCTAATTGAAGCCAACGGAGAATAAAGGTCTTTATAGACCAGAATCTTAGTC  
CTGGGAAAGGTGTGGTATCTCTTGTAGCCGTCCACCCGTCCACAGTCAACACACTTGGGAAGCAGCTTTT  
GCCAAAAACCTTCGGACAGTCCAATGTCAATATCACACAGCAAGTGGTATTGGCAGCCCTCAGAGACCG  
GCAGCATCCAACACTATTGTGGTAGGAAGCCACACACTCCCAACACGCATTTTGTGTACAGAAACAGA  
CGTCTGACTCCTCACCTGGTCTGCTGGGAAGCGGAACAGGAAGGGCGAGAAGAATGGCAAGGGCCTGCG  
GCATTTCTCCATGAAGGTGTGTGAGAAGGTGCAGAGGAAAGGAACCACTCCTACAATGAGGTGGCTGAC  
GAGCTGGTGGCAGAGTTCAGCGCTGCCGACAACCACTTCTACCAACGAATCAGCTTATGACCAGAAGA  
ACATCCGGCGCGGTGTCTACGATGCCTTAAATGTGCTAATGGCCATGAACATCATCTCCAAGGAGAAGAA  
GGAGATCAAATGGATCGGCTGCCCAACTCAGCTCAGGAGTGCCAGAATAGAGGTAGAGAGGCAG  
AGGAGGCTGGAGAGGATCAAACAGAAGCAGTACAGCTCCAGGAGCTCATCTCGCAGCAAATTCCTTCA  
AGAACTTGGTGCAGAGAAATCGCCAAGCTGAGCAGCAGGCCCGCAGGCCCTCCTCCAACCTGTGCAT  
CCACTTGCCTTTCATCATTGTCAACACCAGCAGGAAGACAGTATTGACTGCAGCATCTCCAATGACAAA  
TTTGAGTATCTGTTAACTTTGACAACCGTTTGAGATCCACGATGACATTGAGGTGCTCAAGCGCATGG  
GCATGGCATGTGGGCTGGAGTCTGGCAACTGCTCTGCTGAAGACCTCAAGGTGGCCAGAAGTTTGGTACC  
AAAAGCTCTAGAACCATACGTGACAGAAATGGCTCAGGGATCCATTGGTGGAGTATTCGTACGACAACA  
GGTTCTACATCCAATGGCACAAGGCTTTCTGCCAGTGATTTGAGCAATGGTGCAGATGGGATGCTGGCCA  
CGAGCTCCAATGGGTCTCAGTACAGCGGCTCCAGGTCGAGACCCCTGTGTCTACGTTGGGGAGGATGA  
TGACGACGATGATGACTTTAATGAGAACGACGAGGAGGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001291765
<b>Insert Size:</b>	1233 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001291765.1</a></u> , <u><a href="#">NP_001278694.1</a></u>
<b>RefSeq Size:</b>	2523 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	21781
<b>UniProt ID:</b>	<u><a href="#">Q08639</a></u>
<b>Cytogenetics:</b>	8 A1.1
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>