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Product datasheet for MC226824

Tfdp1 (NM_001291768) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfdp1 (NM_001291768) 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:

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>MC226824 representing NM_001291768
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGTGTGTGAGAAGGTGCAGAGGAAAGGAACCACCTCCTACAATGAGGTGGCTGACGAGCTGGTGG
CAGAGTTCAGCGCTGCCGACAACCACATTCTACCAAACGAATCAGCTTATGACCAGAAGAACATCCGGCG
GCGTGTCTACGATGCCTTAAATGTGCTAATGGCCATGAACATCATCTCCAAGGAGAAGAAGGAGATCAAA
TGGATCGGCCTGCCCACCAACTCAGCTCAGGAGTGCCAGAACTTAGAGGTAGAGAGGCAGAGGAGGCTGG
AGAGGATCAAACAGAAGCAGTCACAGCTCCAGGAGCTCATCCTGCAGCAAATTGCCTTCAAGAACTTGGT
GCAGAGAAATCGCCAAGCTGAGCAGCAGGCCCGCAGGCCGCCTCCTCCCAACTCTGTCATCCACTTGCCC
TTCATCATTGTCAACACCAGCAGGAAGACAGTCATTGACTGCAGCATCTCCAATGACAAATTTGAGTATC
TGTTTAACTTTGACAACACGTTTGAGATCCACGATGACATTGAGGTGCTCAAGCGCATGGGCATGGCATG
TGGGCTGGAGTCTGGCAACTGCTCTGCTGAAGACCTCAAGGTGGCCAGAAGTTTGGTACCAAAAGCTCTA
GAACCATACGTGACAGAAATGGCTCAGGGATCCATTGGTGGAGTATTCGTCACGACAACAGGTTCTACAT
CCAATGGCACAAGGCTTTCTGCCAGTGATTTGAGCAATGGTGCAGATGGGATGCTGGCCACGAGCTCCAA
TGGGTCTCAGTACAGCGGCTCCAGGGTCGAGACCCCTGTGTCCTACGTTGGGGAGGATGATGACGACGAT
GATGACTTTAATGAGAACGACGAGGAGGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001291768
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:	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_001291768.1, NP_001278697.1
RefSeq Size:	2456 bp
RefSeq ORF:	873 bp
Locus ID:	21781
Cytogenetics:	8 A1.1
Gene Summary:	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] Transcript Variant: This variant (4) differs in the 5' UTR and lacks an alternate in-frame exon in the 5' coding region, resulting in the use of 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).

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