

Product datasheet for **MR229034**

Tfdp1 (NM_001291766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfdp1 (NM_001291766) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfdp1
Synonyms:	Dp1; Drtf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229034 representing NM_001291766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGTGTGTGAGAAGGTGCAGAGGAAAGGAACCACCTCTACAATGAGGTGGCTGACGAGCTGGTGG
CAGAGTTCAGCGCTGCCACAACCATTCTACCAAACGAATCAGCTTATGACCAGAAGAACATCCGGCCG
GCGTGTCTACGATGCCTTAAATGTGCTAATGGCCATGAACATCATCTCCAAGGAGAAGAAGGAGATCAAA
TGGATCGGCTGCCACCAACTCAGCTCAGGAGTGCCAGAACTTAGAGGTAGAGAGGCAGAGGAGGCTGG
AGAGGATCAAACAGAAGCAGTCACAGCTCCAGGAGCTCATCTGCAGCAAATTGCCTTCAAGAACTTGGT
GCAGAGAAATCGCCAAGCTGAGCAGCAGGCCCGCAGGCCGCTCCTCCCAACTCTGTCTCACTTGCC
TTCATCATTGTCAACACCAGCAGGAAGACAGTCATTGACTGCAGCATCTCCAATGACAAATTTGAGTATC
TGTTTAACTTTGACAACACGTTTGAGATCCACGATGACATTGAGGTGCTCAAGCGCATGGGCATGGCATG
TGGGCTGGAGTCTGGCAACTGCTCTGCTGAAGACCTCAAGGTGGCCAGAAGTTTGGTACCAAAAGCTCTA
GAACCATACGTGACAGAAATGGCTCAGGGATCCATTGGTGGAGTATTCGTCACGACAACAGGTTCTACAT
CCAATGGCACAAGGCTTCTGCCAGTGATTTGAGCAATGGTGCAGATGGGATGCTGGCCACGAGCTCCAA
TGGGTCTCAGTACAGCGGCTCCAGGTCGAGACCCCTGTCTCCTACGTTGGGAGGATGATGACGACGAT
GATGACTTAAATGAGAACGACGAGGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229034 representing NM_001291766
 Red=Cloning site Green=Tags(s)

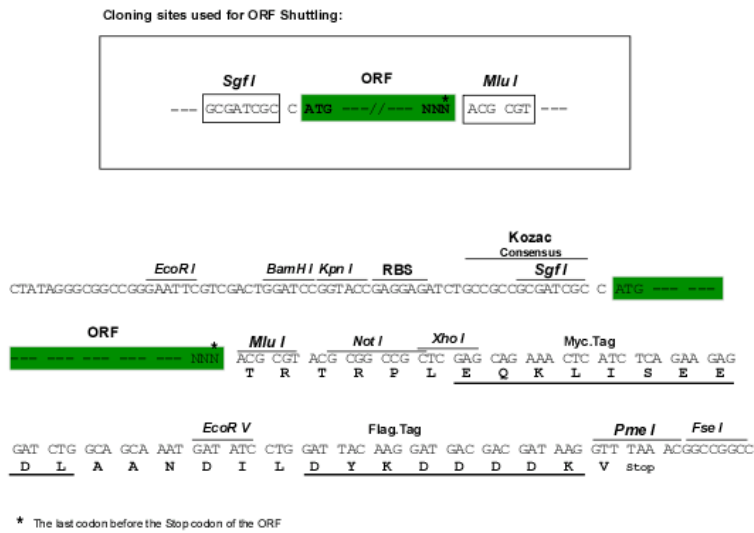
MKVCEKVQRKGTTSYNEVADELVAEFSAADNHILPNESAYDQKNIRRRVYDALNVLAMNIISEKKEIK
 WIGLPTNSAQEQNLEVERQRRLERIKQKQSQLQELILQQIAFKNLVQRNRQAEQQARRPPPPNSVIHLP
 FIIVNTSRKTVIDCSISNDKFEYLFNFDNTFEIHDDIEVLKRMGMACGLESGNCSAEDLKVARSLVPKAL
 EPYVTEMAQGSIGGVFVTTTGSTSNLTRLSASDLSSNGADGMLATSSNGSQYSGSRVETPVSYYVGEDDDDD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

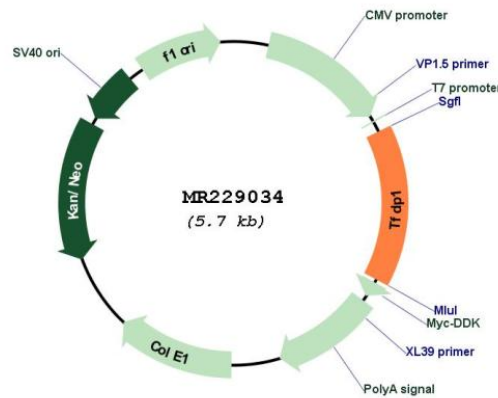
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291766

ORF Size: 870 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:	<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:	NM_001291766.1 , NP_001278695.1
RefSeq Size:	2517 bp
RefSeq ORF:	873 bp
Locus ID:	21781
Cytogenetics:	8 A1.1
MW:	32.9 kDa
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]