

Product datasheet for **RG203986**

DP1 (TFDP1) (NM_007111) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DP1 (TFDP1) (NM_007111) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DP1
Synonyms: DILC; Dp-1; DP1; DRTF1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203986 representing NM_007111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAAAAGATGCCGGTCTAATTGAAGCCAACGGAGAACTCAAGGTCTTCATAGACCAGAACCTTAGTC
 CCGGAAAGGCGTGGTGTCCCTCGTGGCCGTTACCCCTCCACCGTCAACCCGCTCGGGAAGCAGCTCTT
 GCCAAAAACCTTTGGACAGTCCAATGTCAACATTGCCAGCAAGTGGTAATTGGTACGCCTCAGAGACCG
 GCAGCGTCAAACACCCTGGTGGTAGGAAGCCACACACCCCCAGCACTACTTTGCCTCTCAGAACCAGC
 CTTCCGACTCCTCACCTGGTCTGCCGGAAGCGCAACAGGAAAGGAGAGAAGAATGGCAAGGGCCTACG
 GCATTTCTCCATGAAGGTCTGCGAGAAGGTGAGAGGAAAGGGACCACTTCTACACGAAGTGGCAGAG
 GAGCTGGTTGCGGAGTTCAGTGCTGCCGACAACCATCTTACCAAACGAGTCAGCTTATGACCAGAAAA
 ACATAAGACGGCGCTACGATGCCTTAAACGTGCTAATGGCCATGAACATCATCTCCAAGGAGAAGAA
 GGAGATCAAGTGGATTGGTCTGCCACCAACTCGGCTCAGGAATGTGAGAACTTAGAGGTGGAAAGACAG
 AGGAGACTTGAAGAATAAAACAGAAACAGTCTCAACTTCAAGAATTTACTACAGCAAATTCCTTCA
 AGAACCTGGTGCAGAGAAACCGCATGCCGAGCAGCAGCCAGCCGCGCCACCCCACTCAGTCAT
 CCACCTGCCCTTCATCATCGTCAACACCAGCAAGAAGACGGTTCATCGACTGCAGCATCTCCAATGACAAA
 TTTGAGTATCTGTTAATTTTGACAACACATTTGAAATCCACGATGACATAGAAGTCTGAAGCGGATGG
 GCATGGCTTGCGGGCTGGAGTCGGGGAGCTGCTTGCCGAAGACCTTAAATGGCCAGAAGTCTGGTCCC
 CAAGGCTCTGGAGCCATACGTGACAGAAATGGCTCAGGGAAGTGTGGAGGCGTGTTCATCACGACGGCA
 GGTTCACGTCTAACGGCACAAGGTTCTCTGCCAGTGACCTGACCAACGGTGCAGATGGGATGCTGGCCA
 CAAGCTCCAATGGGTCTCAGTACAGCGCTCCAGGTTGGAGACTCCGGTGTCTACGTGGGGAGGACGA
 CGAGGAGGACGATGACTTCAACGAGAATGACGAGGACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203986 representing NM_007111
 Red=Cloning site Green=Tags(s)

MAKDAGLIEANGELKVFIDQNLSPGKGVVSLVAVHPSTVNPLGKQLLPKTFGQSNVNIAQQVVIQTPQRP
 AASNTLVVGGSPHTPSTHFASQNPDSPPWSAGKRNRKGEKNGKGLRHF SMKVCEKVQRKGTTSYNEVAD
 ELVAEFSAADNHILPNESAYDQKNIRRRVYDALNVLMMNNIISKEKKEIKWIGLPTNSAQEQNLEVERQ
 RRLERIKQKQSQLQELILQQIAFKNLVQRNRHAEQQASRPPPPNSVIHLPFIIIVNTSKKTVIDCSI SNDK
 FEYLFNF DNTFEIHDDIEVLKRMGMACGLESGSCSAEDLKMARSLV PKALEPYVTEMAQGTVGGVFITTA
 GSTSNGTRFSASDLTNGADGMLATSSNGSQYSGSRVETPVSYVGEDDEEDDDFNENDEDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007111

ORF Size: 1230 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_007111.5](#)

RefSeq Size: 2385 bp

RefSeq ORF: 1233 bp

Locus ID: 7027

UniProt ID: [Q14186](#)

Cytogenetics: 13q34

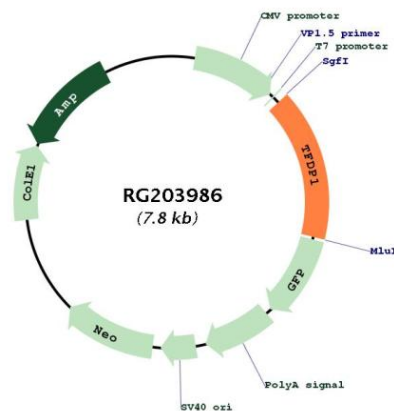
Domains: E2F_TDP

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cell cycle, TGF-beta signaling pathway

Gene Summary: This gene encodes a member of a family of transcription factors that heterodimerize with E2F proteins to enhance their DNA-binding activity and promote transcription from E2F target genes. The encoded protein functions as part of this complex to control the transcriptional activity of numerous genes involved in cell cycle progression from G1 to S phase. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1, 15, and X.[provided by RefSeq, Jan 2009]

Product images:



Circular map for RG203986