

Product datasheet for SC127935

DP1 (TFDP1) (NM_007111) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DP1 (TFDP1) (NM_007111) Human Untagged Clone
Tag:	Tag Free
Symbol:	DP1
Synonyms:	DILC; Dp-1; DP1; DRTF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127935 sequence for NM_007111 edited (data generated by NextGen Sequencing)

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ATGGCAAAAGATGCCGGTCTAATTGAAGCCAACGGAGAAGTCAAGGTCTTCATAGACCAG
AACCTTAGTCCCGGAAAGCGTGGTGTCCCTCGTGGCCGTTACCCCTCCACCGTCAAC
CCGCTCGGGAAGCAGCTCTTGCCAAAAACCTTTGGACAGTCCAATGTCAACATTGCCAG
CAAGTGGTAATTGGTACGCCTCAGAGACCGGCAGCGTCAAACACCCTGGTGGTAGGAAGC
CCACACACCCCCAGCACTCACTTTGCCTCTCAGAACAGCCTTCCGACTCCTCACCTTGG
TCTGCCGGAAGCGCAACAGGAAAGGAGAGAAGAATGGCAAGGGCCTACGGCATTCTCC
ATGAAGGTCTGCGAGAAGGTGCGAGGAAAGGGACCACTTCTACAACGAAGTGGCAGAC
GAGCTGGTTGCGGAGTTCAGTGTGCCGACAACCACATCTTACCAAACGAGTCAGCTTAT
GACCAGAAAAACATAAGACGGCGGTCTACGATGCCTTAAACGTGCTAATGGCCATGAAC
ATCATCTCCAAGGAGAAGAAGGAGATCAAGTGGATTGGTCTGCCACCAACTCGGCTCAG
GAATGTCAGAAGTCTAGAGGTGGAAAGACAGAGGAGACTTGAAAGAATAAAACAGAAACAG
TCTCAACTTCAAGAACTATTCTACAGCAAATTGCCTTCAAGAACCTGGTGCAGAGAAAC
CGGCATGCGGAGCAGCAGGCCAGCCGGCCACCGCCACCAACTCAGTCATCCACCTGCC
TTCATCATCGTCAACACCAGCAAGAAGACGGTCACTGACTGCAGCATCTCCAATGACAAA
TTTGAGTATCTGTTTAAATTTGACAACACATTTGAAATCCACGATGACATAGAAGTGCTG
AAGCGGATGGGCATGGCTTTCGGGCTGGAGTCGGGGAGCTGCTCTGCCGAAGACCTTAAA
ATGGCCAGAAGTCTGGTCCCAAGGCTCTGGAGCCATACGTGACAGAAAATGGCTCAGGGA
ACTGTTGGAGGCGTGTTCATCACGACGGCAGGTTCCACGTCTAACGGCACAAGGTTCTCT
GCCAGTGACCTGACCAACGGTGCAGATGGGATGCTGGCCACAAGCTCCAATGGGTCTCAG
TACAGCGGCTCCAGGTTGGAGACTCCGGTGTCTACGTCGGGGAGGACGACGAGGAGGAC
GATGACTTCAACGAGAATGACGAGGACGACTGA

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Clone variation with respect to NM_007111.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007111 unedited
 GGGTTGGGATTTGAAAACGACTTCTATAGGCGGCCGCGCAATTCGCACGAGAAGGCAGGG
 NCTCTCGCCACGGCCGGGACCGCCCGGCCGCCCCAGCCCGCGCCTCTCCGCGCCGCC
 CGCGCTCCGCACCGCGCCTCTCCGCGTCCCGCCCGCGCGGCCGGACCGGGCAGCCAGA
 AAAATCATTTTTTCTTCTCTGGGAAGGTGAACATTTGTAGCATTGATTTCCCGGATCTGGT
 AACATGGCAAAAGATGCCGGTCTAATTGAAGCCAACGGAGAACTCAAGGTCTTCATAGAC
 CAGAACCTTAGTCCCGGAAAGGCGTGGTGTCCCTCGTGGCCGTTCAACCCTCCACCGTC
 AACCCGCTCGGGAAGCAGCTCTTGCCAAAAAACCTTTGGACAGTCCAATGTCAACATTGC
 CCAGCAAGTGGTAATTGGTACGCCTCAGAGACCGCAGCGTCAAACACCCTGGTGGTAGG
 AAGCCACACACCCCCAGCACTCACTTTGCCTCTCAGAACCAGCCTTCCGACTCCTCACC
 TTGGTCTGCCGGAAGCGCAACAGGAAAGGAGAGAAGAATGGCAAGGGCCTACGGCATT
 CTCCATGAAGGTCTGCGAGAAGGTGCAGAGGAAAGGGACCACTTCTACAACGAAGTGGC
 AGACGAGCTGGNTGCGGAGTTCAGTGTGCCGACACCACATCTTACCAAACGAGTCAGCT
 TATGACCAGAAAAACATAAGACGGCGCTACGATGCCTTAAACGTGCNTATGGCCATG
 AACATCATCTNCAAGGAGAGAAGGAGATCCAGTGGATTGGTCTGCCACCAAACCTCGCTC
 AGAAATGTCAGAACTTANNAGTGNAAAGAAGAGGAGACTTGNAAGAATAAACAGAAACA
 GTCTCAACTTCAGAACTTATCTACAGCAAATG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007111 unedited
 GGAGGAGCCTGGGNAGGGTCACAGGGCTGCCACCCGGTTCTGTGCAGGAAAACAGCT
 ATGACCGCGCCCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTAAAAACAAGTCAAACATTTAAGGTCTTTTTTTTTTCCATAAA
 ATTTTCCAGAATTTTTTTTTTGGGTTTAAAAAAAAGACTTTCGTTTTTAAACGGGCAGT
 TAATACCCCTGGCAGTTAAGGGTTTTGGAAATAAATTTAAAAAGAGCCTCCGCGCGG
 CCCTAAAATTCCTTTTTTTTTTAAAAAAAAGACCTTTTAAAAAGGGTTGCCAATTTTT
 GAGTTAAAAAATTGTTAAACCTTCTCTATTTTTAATTTCAATTTTATAAAAGATTACGG
 GGAGATGCTTATGAAACAAATCCTTTTGTTCAGTCCATGTTTTTAAAGGATAGCCTTTT
 AAGTTTGTAAACCCCTTTTTAATAAAGGGTTCCTAACCCCTGCCTGTAAAAAATCAGGCA
 AATTTTACCATAAGCAATAAACCTTTCCAGGCCTTCCAACAGTCTCCATAGCCGCCCGG
 GTGGGAAATTAGTTTTTACCAAACGAAAAACAACAACAAAAGCTCTTTAAAATTTGTT
 GCTGCAAAAACGGAAGAGAAAAGAGTGCCAACCTTGATGGAATCCCCCGTCATTATATTT
 TAGGGGCCAATAAAGCCATGGGGGGGGGTGTTTATTTGTTAAAAAGTGGATTCTGCTG
 TTGGCTGGGGGCTGTTTAAAAAGTTGCCTTCTGGTGTGGGTGGGACCCCGTCCCTTGAA
 AAACCCCGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_007111

Insert Size:

2650 bp

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).

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_007111.3](#), [NP_009042.1](#)

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]
Transcript Variant: This variant (1) represents the longer transcript.