

Product datasheet for **SC320396**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007111.3
 CGTCCCGGCGCCACTCGGCCAGGGCAGGGACCCCGCCACGGCCGGGACCGCCCGGCCCG
 GCCCCAGCCCGCGCTCTCCGCGCCGCCCGCGCTCCGCACCCGCGCCCTCTCCGCGTCCC
 CGCCCGCGCGCCGACCGGGCAGCCAGAAAAATCATTCTTCTCTGGGAAGGTGAAC
 ATTTGTAGCATTGATTTCCCGGATCTGGTAACATGGCAAAAGATGCCGGTCTAATTGAAG
 CCAACGGAGAACTCAAGGTCTTCATAGACCAGAACCTTAGTCCCGGAAAGGCGTGGTGT
 CCCTCGTGGCCGTTCAACCCTCCACCGTCAACCCGCTCGGGAAGCAGCTTTGCCAAAA
 CCTTTGGACAGTCCAATGTCAACATTGCCAGCAAGTGGTAATTGGTACGCCTCAGAGAC
 CGGCAGCGTCAAAACACCTGGTGGTAGGAAGCCACACACCCCGCAGCACTCACTTTGCCCT
 CTCAGAACCAGCCTTCCGACTCCTCACCTGGTCTGCCGGGAAGCGCAACAGGAAAGGAG
 AGAAGAATGGCAAGGGCCTACGGCATTCTCCATGAAGGTCTGCGAGAAGGTGCAGAGGA
 AAGGGACCACTTCTACAACGAAGTGGCAGACGAGCTGGTTGCGGAGTTCAGTGTGCCG
 ACAACCACATCTTACCAAACGATCAGCTTATGACCAGAAAAACATAAGACGGCGCTCT
 ACGATGCCTTAAACGTGCTAATGGCCATGAACATCATCTCAAGGAGAAGAAGGAGATCA
 AGTGGATTGGTCTGCCACCAACTCGGCTCAGGAATGTCAGAACTTAGAGGTGGAAGAC
 AGAGGAGACTTGAAGAATAAAACAGAAACAGTCTCAACTTCAAGAACTTATTCTACAGC
 AAATTGCCTTCAAGAACCTGGTGCAGAGAAACCGCATGCCGAGCAGCAGCCAGCCGGC
 CACCGCCACCAACTCAGTCATCCACCTGCCCTTATCATCGTCAACACCAGCAAGAAGA
 CGGTATCGACTGCAGCATCTCCAATGACAAATTTGAGTATCTGTTTAATTTTGACAACA
 CATTTGAAATCCACGATGACATAGAAGTCTGAAGCGGATGGGCATGGCTTGGCGGCTGG
 AGTCGGGAGCTGCTCTGCCGAAGACCTTAAATGGCCAGAAGTCTGGTCCCAAGGCTC
 TGGAGCCATACGTGACAGAAATGGCTCAGGGAAGTGTGGAGGCGTGTTCATCACGACGG
 CAGGTTCCACGTAAACGGCACAAGGTTCTCTGCCAGTACCTGACCAACGGTGCAGATG
 GGATGCTGGCCACAAGCTCCAATGGGTCTCAGTACAGCGGCTCCAGGGTGGAGACTCCGG
 TGTCTACGTCCGGGAGGACGACGAGGAGGACGATGACTTCAACGAGAATGACGAGGACG
 ACTGACGTCTCCCACTTCAAGTTCGGCTTCAAGAAAACGTTTACGAAAAGAACTTT
 TTTTTAATGTGGGTTTTCTGTTTCTTTTGGCCTACTCCAAGAAGATATTGGTAAGCT
 ATTTGAATTTAGATATGCACCTCTGATAAGCAAGGATTGTTTCCCGTAGGATTAGGACGTG
 CTGTGGATGTGTGTTTTGATACCAAGTGTGCTGATGCAGAGCGTTATTTAGTTGTAGGA
 TTTTGTGTTTTCTATTGCTATTTTTCTTAAGTGCAGAGTTCATTTTTGCCCTGAAAAG
 TTTTTGCTGAGTTTGTGAAGAAATGTATTTCAACCACATCCATGAAAATAAAACACCT
 CCTGTTGTGGATGGTGAAGCCCTGATGCCGCTTATTTGCCGTGAGTTGGACGGCACCC
 TGCTGGCGGATAGCAAGACTCTGTGGAGTTTGTTCAGTGGTACGGTGTCCAAGCAAAACAG
 CAGAATGCAACTTTCTAAACAGCCCAAGCAAACAGCAGAATCAACTTTTTAAACAATA
 AACACCATCAACCTTATTGACTTTATTGTCCTTAAATATATTGACTGTTGTGATTCCA
 TCAAGTTGTACTCTTTTTCTCCCTGTTTTGCAGCAACAAATGGCAAGTGTCTTTG
 TTTGTTGTTTTCGTTTTGGTTAAAGCTTATTGCCATGCTGGTGGCGCTATGGAGACTGTC
 TGGAAAGCTTGAATGGTTTATTGCTTATGGTAAAATTTGCCTGATTTCTTACAGGCAGC
 GTTTGGAAACCTTTTATTATATAGTTGTTTACATACTTATAAGTCTATCATTTAAAGACA
 TGTAAGTAAACAAATGTATTTGTTTCATAAGCATCTTCCGTAACTATTATAAAATTTGA
 AATTAATATAGAGAATGTTTTAACAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_007111

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_007111.3</u> , <u>NP_009042.1</u>
RefSeq Size:	2385 bp
RefSeq ORF:	1233 bp
Locus ID:	7027
UniProt ID:	<u>Q14186</u>
Cytogenetics:	13q34
Domains:	E2F_TDP
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Cell cycle, TGF-beta signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript.</p>