

Product datasheet for **SC328683**

DP2 (TFDP2) (NM_001178140) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DP2 (TFDP2) (NM_001178140) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFDP2
Synonyms:	DP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328683 representing NM_001178140. Blue=Insert sequence Red=Cloning site Green=Tag(s)

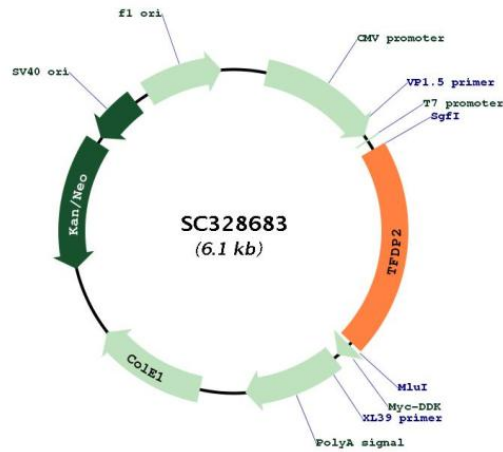
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001178140

Insert Size: 1257 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).

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:

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_001178140.1](#)

RefSeq Size: 9404 bp

RefSeq ORF: 1257 bp

Locus ID: 7029

UniProt ID: [Q14188](#)

Cytogenetics: 3q23

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cell cycle

MW: 46.3 kDa

Gene Summary: The gene is a member of the transcription factor DP family. The encoded protein forms heterodimers with the E2F transcription factors resulting in transcriptional activation of cell cycle regulated genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Transcript Variant: This variant (4) uses an alternate promoter, differs in the 5' UTR, initiates translation at an alternate start codon and uses an alternate in-frame splice site in the coding region, compared to variant 1. The resulting protein (isoform 3) has a longer and distinct N-terminus and lacks one internal amino acid, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.