

Product datasheet for **RC205845**

DP2 (TFDP2) (NM_006286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DP2 (TFDP2) (NM_006286) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DP2
Synonyms:	DP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205845 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGATTATAAGCACACCACAGAGACTAACCAGTTCAGGAAGTGTCTGATTGGGAGTCCATATACCCCTG
CACCAGCAATGGTTACTCAGACACACATAGCAGAAGCTACTGGCTGGGTCCCTGGTGATAGAAAACGGGC
TAGAAAATTTATAGACTCTGATTTTTAGAAAAGTAAACGAAGCAAAAAGGAGATAAAAAAGGAAAGGC
TTGAGACACTTTTCAATGAAAGTGTGTGAGAAAAGTTCAACGAAAAGGTACAACATCGTACAATGAAGTCG
CTGATGAGCTGGTGTGAGAGTTCACCAATTCAAATAACCATTTGGCTGCTGATTTCGAGGCTTATGATCA
GAAGAACATTAGCGAAGAGTTTATGATGCTTTAAATGTGCTAATGGCAATGAACATAATTTCAAAGGAA
AAAAAAGAAATCAAGTGGATTGGCTGCCTACCAATTCGCTCAGGAATGTCAGAATCTGGAGATAGAGA
AGCAGAGGCGGATAGAACGGATAAAGCAGAAGCGGGCCAGCTGCAAGAACTTCTCTACAGCAAAATCGC
TTTCAAAAACCTGGTACAGAGAAATCGACAAAATGAGCAGCAAAACAGGGCCCGCCGCTGAACTCT
ACCATTTCAGCTGCCATTCATAATCATCAATACAAGCAGAAAAACAGTCATAGATTGCAGCATCTCCAGTG
ACAAGTTTGAGTATCTTTCAATTTTGACAACACCTTTGAGATCCATGATGACATAGAAGTAAAGCG
GATGGGAATGTCGTTTGGCCTGGAGTCAGGCAAATGCTCTCTGGAGGATCTGAAACTTGCAGAAATCCCTG
GTGCCAAAAGGCTTTAGAAGGTTATATCACAGATATCTCCACAGGACCTTCTTGGTAAATCAGGGACTAC
TTCTGAACTCTACCAATCAGTTTCAAATTTAGACCTGACCCTGGTCCACCTTACCCCACTCAAGTGT
AAACCAAGGGTTATGCTTGGATGCAAGAAGTGGCCTTAGCAACTGGCAGTTCTTGGCCCCAACAGTCAC
CAGTCCAGCAGTGCAGCCTCTCACTGCTCCGAGTCCCAGGCGAGACCCCTGTTTCGTTCAATGATGAAG
ATGAGGAAGATGATGAGGAGGATTCTCTCCCCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_006286.5](#)

RefSeq Size: 9462 bp

RefSeq ORF: 1161 bp

Locus ID: 7029

UniProt ID: [Q14188](#)

Cytogenetics: 3q23

Domains: E2F_TDP

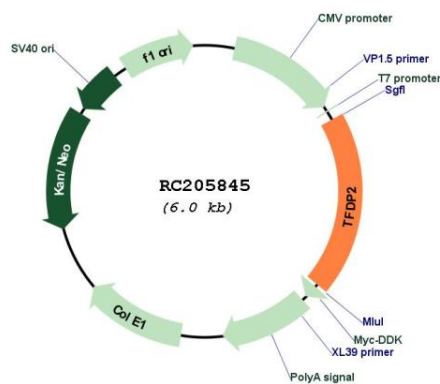
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cell cycle

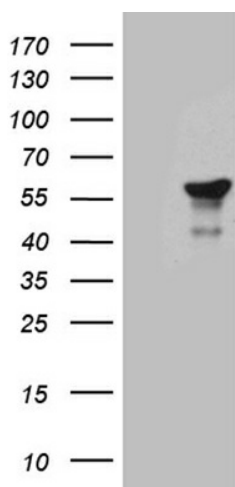
MW: 43 kDa

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]

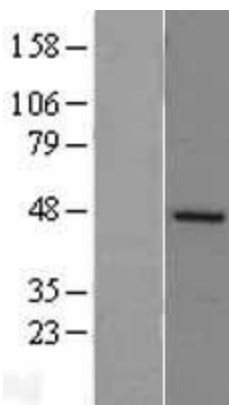
Product images:



Circular map for RC205845



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TFDP2 (Cat# RC205845, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TFDP2 (Cat# [TA812081]). Positive lysates [LY401894] (100ug) and [LC401894] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY401894]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205845 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).