

## Product datasheet for RC229864

### DP2 (TFDP2) (NM\_001178142) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DP2 (TFDP2) (NM_001178142) 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:	>RC229864 representing NM_001178142 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAGTGTGTGAGAAAGTTCAACGAAAAGGTACAACATCGTACAATGAAGTCGCTGATGAGCTGGTGT  
CAGAGTTCACCAATTCAAATAACCATTTGGCTGCTGATTCGGCTTATGATCAGAAGAACATTAGGCGAAG  
AGTTTATGATGCTTTAAATGTGCTAATGGCAATGAACATAATTTCAAAGGAAAAAAAAAGAAATCAAGTGG  
ATTGGCCTGCCTACCAATTCGCTCAGGAATGTCAGAATCTGGAGATAGAGAAGCAGAGGCGGATAGAAC  
GGATAAAGCAGAAGCGGCCAGCTGCAAGAATCTCCTACAGCAAATCGCTTTCAAAAACCTGGTACA  
GAGAAATCGACAAAATGAGCAGCAAAACAGGGCCCGCCGGCTCTGAACTCTACCATTACAGTGCATTTC  
ATAATCATCAATACAAGCAGAAAAACAGTCATAGATTGCAGCATCTCCAGTGACAAGTTTGAGTATCTTT  
TCAATTTTGACAACACCTTTGAGATCCATGATGACATAGAAGTAAAGCGGATGGGAATGTCGTTTGG  
CCTGGAGTCAGGCAATGCTCTCTGGAGGATCTGAAACTTGCAGAAATCCCTGGTGCCAAAGGCTTTAGAA  
GGTTATATCACAGATATCTCCACAGGACCTTCTGGTTAAATCAGGGACTACTTCTGAACTTACCCAAT  
CAGTTTCAAATTTAGACCTGACCACTGGTGCCACCTTACCCAGTCAAGTGTAAACCAAGGGTTATGCTT  
GGATGCAGAAGTGGCCTTAGCAACTGGGCAGTTCTGGCCCCAACAGTCAACAGTCCAGCAGTGGGCC  
TCTCACTGCTCCGAGTCCCGAGGCGAGACCCCTGTTCTGTTCAATGATGAAGATGAGGAAGATGATGAGG  
AGGATTCCTCTCCAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229864 representing NM\_001178142  
 Red=Cloning site Green=Tags(s)

MKVCEKVQRKGTTSYNEVADELVSEFTNSNNHLAADSAYDQKNIRRRVYDALNVLAMNIIISKEKKEIKW  
 IGLPTNSAQEQNLEIEKQRRIERIKQKRAQLQELLQQIAFKNLVQRNRQNEQQNQGPPALNSTIQLPF  
 IINTSRKTVIDCSISSDKFEYLFNFDNTFEIHDDIEVLKRMGMSFGLESKGCSLEDLKLAKSLVPKALE  
 GYITDISTGPSWLNQGLLLNSTQSVSNLDTTGTATLPQSSVYQGLCLDAEVALATGQFLAPNSHQSSAA  
 SHCESRGETPCSFNDEDEEDDEEDSSSPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001178142

**ORF Size:** 930 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\\_001178142.2](#)

**RefSeq Size:** 9185 bp

**RefSeq ORF:** 933 bp

**Locus ID:** 7029

**UniProt ID:** [Q14188](#)

**Cytogenetics:** 3q23

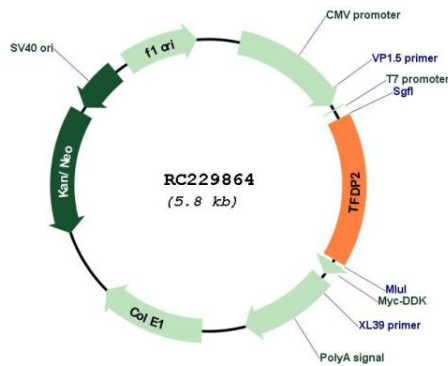
**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Cell cycle

**MW:** 34.7 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 RC229864