

Product datasheet for **RG205845**

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: | TurboGFP |
| Symbol: | DP2 |
| Synonyms: | DP2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG205845 representing NM_006286 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTATAAGCACACCACAGAGACTAACCAGTTCAGGAAGTGTCTGATTGGGAGTCCATATACCCCTG
CACCAGCAATGGTTACTCAGACACACATAGCAGAAGCTACTGGCTGGTCCCTGGTGATAGAAAACGGGC
TAGAAAATTTATAGACTCTGATTTTTAGAAAAGTAAACGAAGCAAAAAGGAGATAAAAATGGGAAAGGC
TTGAGACACTTTCAATGAAAGTGTGTGAGAAAGTTCAACGAAAAGGTACAACATCGTACAATGAAGTCG
CTGATGAGCTGGTGTGAGAGTTCACCAATTCAAATAACCATTTGGCTGCTGATTCGCAGGCTTATGATCA
GAAGAACATTAGCGAAGAGTTTATGATGCTTTAAATGTGCTAATGGCAATGAACATAATTTCAAAGGAA
AAAAAAGAAATCAAGTGGATTGGCTGCCTACCAATTCGCTCAGGAATGTCAGAATCTGGAGATAGAGA
AGCAGAGGCGGATAGAACGGATAAAGCAGAAGCGGGCCAGCTGCAAGAACTTCTCTACAGCAAAATCGC
TTTCAAAAACCTGGTACAGAGAAATCGACAAAATGAGCAGCAAAACCAGGGCCCGCCGCTGAACTCT
ACCATTGAGCTGCCATTCATAATCATCAATACAAGCAGAAAAACAGTCATAGATTGCAGCATCTCCAGTG
ACAAGTTTGAGTATCTTTCAATTTTGACAACACCTTTGAGATCCATGATGACATAGAAGTACTAAAGCG
GATGGGAATGTCGTTTGGCCTGGAGTCAGGCAAATGCTCTCTGGAGGATCTGAAACTTGCGAAATCCCTG
GTGCCAAAGGCTTTAGAAGTTATATCACAGATATCTCCACAGGACCTTCTTGGTTAAATCAGGGACTAC
TTCTGAACTCTACCAATCAGTTTCAAATTTAGACCTGACCCTGGTGCCACCTTACCCCACTCAAGTGT
AAACCAAGGGTTATGCTTGGATGCAGAAGTGGCCTTAGCAACTGGGCAGTTCTTGGCCCCAACAGTCAC
CAGTCCAGCAGTGCAGCCTCTCACTGCTCCGAGTCCCAGGCGGAGACCCCTGTTTCGTTCAATGATGAAG
ATGAGGAAGATGATGAGGAGGATTCTCTCCCCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205845 representing NM_006286
 Red=Cloning site Green=Tags(s)

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MIISTPQRLTSSGSVLIGSPYTPAPAMVTQTHIAEATGWVPGDRKRARKFIDSDFSESKRSKKGDKNGKG
LRHFSMKVCEKVQRKGTTSYNEVADELVSEFTNSNNHLAADSQAYDQKNIRRRVYDALNVLMAMNIIISKE
KKEIKWIGLPTNSAQEQNLEIEKQRRIERIKQKRAQLQELLLQQIAFKNLVQRNRQNEQQNQGGPPALNS
TIQLPFIINTSRKTVIDCSISSDKFEYLFNFDNTFEIHDDIEVLKRMGMSFGLSEGKCSLEDLKLAKSL
VPKALEGYITDIDSTGPSWLNQGLLLNSTQSVSNLDLTTGATLPQSSVNVQGLCLDAEVALATGQFLAPNSH
QSSSAASHCSESERGETPCSFNDEDEEDEDSSSPE
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006286

ORF Size: 1158 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_006286.5](#)

RefSeq Size: 2320 bp

RefSeq ORF: 1161 bp

Locus ID: 7029

UniProt ID: [Q14188](#)

Cytogenetics: 3q23

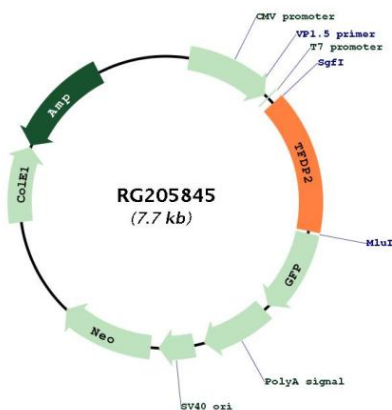
Domains: E2F_TDP

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cell cycle

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 RG205845