

Product datasheet for **RG229975**

DP2 (TFDP2) (NM_001178138) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DP2 (TFDP2) (NM_001178138) 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:	>RG229975 representing NM_001178138 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTATAAGCACACCACAGAGACTAACCAGTTCAGGAAGTGTCTGATTGGGAGTCCATATACCCCTG
CACCAGCAATGGTTACTCAGACACACATAGCAGAAGCTACTGGCTGGGTCCCTGGTGATAGAAAACGGGC
TAGAAAATTTATAGACTCTGATTTTTAGAAAAGTAAACGAAGCAAAAAGGAGATAAAAATGGGAAAGGC
TTGAGACACTTTTCAATGAAAGTGTGTGAGAAAGTTCAACGAAAAGGTACAACATCGTACAATGAAGTCG
CTGATGAGCTGGTGTGAGAGTTCACCAATTCAAATAACCATTTGGCTGCTGATTTCGAGGCTTATGATCA
GAAGAACATTAGCGAAGAGTTTATGATGCTTTAAATGTGCTAATGGCAATGAACATAATTTCAAAGGAA
AAAAAAGAAATCAAGTGGATTGGCTGCCTACCAATTCGCTCAGGAATGTCAGAATCTGGAGATAGAGA
AGCAGAGGCGGATAGAACGGATAAAGCAGAAGCGGGCCAGCTGCAAGAACTTCTCTACAGCAAAATCGC
TTTCAAAAACCTGGTACAGAGAAATCGACAAAATGAGCAGCAAAAACAGGCGCCGCGGCTCTGAACTCT
ACCATTGAGCTGCCATTCATAATCATCAATACAAGCAGAAAAACAGTCATAGATTGCAGCATCTCCAGTG
ACAAGTTTGAGTATCTTTCAATTTTGACAACACCTTTGAGATCCATGATGACATAGAAGTAAAGCG
GATGGGAATGTCGTTTGGCCTGGAGTCAGGCAAATGCTCTCTGGAGGATCTGAAACTTGCAGAAATCCCTG
GTGCCAAAGGCTTTAGAAGTTATATCACAGATATCTCCACAGGACCTTCTTGGTTAAATCAGGGACTAC
TTCTGAACTCTACCAATCAGTTTCAAATTTAGACCTGACCACTGGTGCCACCTTACCCCACTCAAGTGT
AAACCAAGGGTTATGCTTGGATGCAGAAGTGGCCTTAGCAACTGGGCAGTTCTTGGCCCCAACAGTCAC
CAGTCCAGCAGTGCAGCCTCTCACTGCTCCGAGTCCCAGGCGGAGACCCCTGTTTCGTTCAATGATGAAG
ATGAGGAAGATGATGAGGAGGATTCTCTCCCCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229975 representing NM_001178138
 Red=Cloning site Green=Tags(s)

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MIISTPQRLTSSGSVLIGSPYTPAPAMVTQTHIAEATGWVPGDRKRARKFIDSDFSESKRSKKGDKNGKG
LRHFSMKVCEKVQRKGTTSYNEVADELVSEFTNSNNHLAADSQAYDQKNIRRRVYDALNVLMAMNIIISKE
KKEIKWIGLPTNSAQEQNLEIEKQRRIERIKQKRAQLQELLLQQIAFKNLVQRNRQNEQQNQGGPPALNS
TIQLPFIINTSRKTVIDCSISSDKFEYLFNFDNTFEIHDDIEVLKRMGMSFGLSEGKCSLEDLKLAKSL
VPKALEGYITDITSTGPSWLNQGLLLNSTQSVSNLDLTTGATLPQSSVNVQGLCLDAEVALATGQFLAPNSH
QSSSAASHCSESERGETPCSFNDEDEEDEDSSSPE
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001178138

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_001178138.2](#)

RefSeq Size: 9946 bp

RefSeq ORF: 1161 bp

Locus ID: 7029

UniProt ID: [Q14188](#)

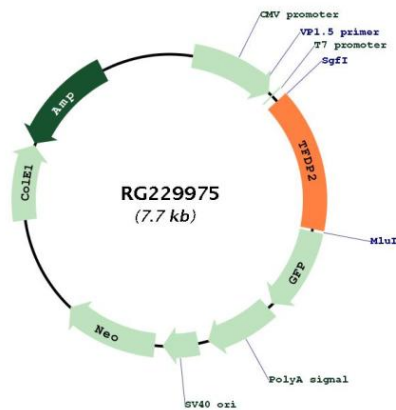
Cytogenetics: 3q23

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 RG229975