

Product datasheet for **RG230097**

DP2 (TFDP2) (NM_001178139) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DP2 (TFDP2) (NM_001178139) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TFDP2
Synonyms:	DP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230097 representing NM_001178139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACGGCAAAAAATGTTGGTTGACTTCCACAAATGCAGAAGTAAGAGGATTTATAGATCAGAATCTCA
 GTCCAACAAAAGGCAACATTTTCATTTGTTGCATTTCCAGTTTCCAATACCAACTCACCTACAAAGATTTT
 ACCAAAAACCTTAGGACCAATAAATGTGAATGTTGGACCCCAAATGATTATAAGCACACCCACAGAGACTA
 ACCAGTTCAGGAAGTGTCTGATTGGGAGTCCATATACCCTGCACCAGCAATGGTTACTCAGACACACA
 TAGCAGAAGCTACTGGCTGGTCCCTGGTATAGAAAACGGGCTAGAAAAATTTATAGACTCTGATTTTTC
 AGAAAAGTAAACGAAGCAAAAAAGGAGATAAAAAATGGGAAAGGCTTGAGACACTTTTCAATGAAAGTGTGT
 GAGAAAGTTCAACGAAAAGGTACAACATCGTACAATGAAGTCGCTGATGAGCTGGTGTGAGATTCACCA
 ATTCAAAATAACCATTTGGCTGCTGATTCGGCTTATGATCAGAAGAACATTAGCGGAAGAGTTTATGATGC
 TTTAAATGTGCTAATGGCAATGAACATAATTTCAAAGGAAAAAAGAAATCAAGTGGATTGGCCTGCCT
 ACCAATTCGCTCAGGAATGTCAGAATCTGGAGATAGAGAAGCAGAGCGGATAGAACGGATAAAGCAGA
 AGCGGGCCAGCTGCAAGAACTTCTCTACAGCAATCGCTTTCAAAAACCTGGTACAGAGAAATCGACA
 AAATGAGCAGAAAACCAGGGCCCGCGGCTCTGAACTTACCATTACAGCTGCCATTCATAATCATCAAT
 ACAAGCAGAAAAACAGTCATAGATTGCAGCATCTCCAGTGACAAGTTTGAGTATCTTTTCAATTTTGACA
 ACACCTTTGAGATCCATGATGACATAGAAGTACTAAAGCGGATGGGAATGTCGTTTGGCCTGGAGTCAGG
 CAAATGCTCTCTGGAGGATCTGAACTTGCGAAATCCCTGGTGCCAAAGGCTTTAGAAGTTATATCACA
 GATATCTCCACAGGACCTTCTTGTTAAATCAGGGACTACTTCTGAACTTACCCAATCAGTTTCAAATT
 TAGACTGACCCTGGTCCACCTTACCCAGTCAAGTGTAAACCAAGGGTTATGCTTGGATGCAGAAGT
 GGCTTAGCAACTGGGCAGTTCCTGGCCCCAAACAGTCAACAGTCCAGCAGTGGCGCTCTCACTGCTCC
 GAGTCCCAGGCGAGACCCCTGTTGTTCAATGATGAAGATGAGGAAGATGATGAGGAGATTCTCTCT
 CCCAGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230097 representing NM_001178139
 Red=Cloning site Green=Tags(s)

MTAKNVGLTSTNAEVRGFIDQNLSPKGNISFVAFVPSNTNSPTKILPKTLGPIINVVGPQMIISTPQRL
 TSSGSLVIGSPYTPAPAMVTQTHIAEATGWVPGDRKRARKFIDSDFSESKRSKKGDKNGKGLRHFMSMKVC
 EKVQRKGTTSYNEVADELVSEFTNSNNHLAADSAYDQKNIRRRVYDALNVLAMMNIISKEKKEIKWIGLP
 TNSAQEQNLEIEKQRRIERIKQKRAQLQELLLQQIAFKNLVQRNRQNEQQNQGPPALNSTIQLPFIIN
 TSRKTVIDCSISSDKFEYLFNFDNTFEIHDDIEVLKRMGMSFGLSESGKCSLEDLKLAKSLVPKALEGYIT
 DISTGPSWLNQGLLLNSTQSVSNLDTTGATLPQSSVNQGLCLDAEVALATGQFLAPNSHQSSSAASHCS
 ESRGETPCSFNDEDEEDEDSSSPE

TRTRPLE – GFP Tag – V

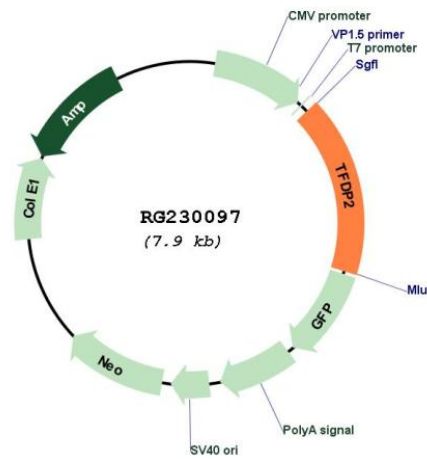
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001178139

ORF Size: 1338 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:	<ol style="list-style-type: none">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:	<u>NM_001178139.2</u>
RefSeq Size:	9908 bp
RefSeq ORF:	1341 bp
Locus ID:	7029
UniProt ID:	<u>Q14188</u>
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]