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Product datasheet for RG230045

DP2 (TFDP2) (NM_001178140) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DP2 (TFDP2) (NM_001178140) 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)

ORF Nucleotide Sequence:

>RG230045 representing NM_001178140
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAACCAGAAGGCATCATCTTTGAAGCAGAGAATAAACCCTCACCAGGCACTGAATCTGCCGGCACTT
TCATTTTGGACCTCTCAGCAACCTCCAGAACAATTATAAGCACACCACAGAGACTAACCAGTTCAGGAAG
TGTTCTGATTGGGAGTCCATATACCCCTGCACCAGCAATGGTTACTCAGACACACATAGCAGAAGCTACT
GGCTGGGTCCCTGGTGATAGAAAACGGGCTAGAAAATTTATAGACTCTGATTTTTCAGAAAGTAAACGAA
GCAAAAAAGGAGATAAAAATGGGAAAGGCTTGAGACACTTTTCAATGAAAGTGTGTGAGAAAGTTCAACG
AAAAGGTACAACATCGTACAATGAAGTCGCTGATGAGCTGGTGTCAGAGTTCACCAATTCAAATAACCAT
TTGGCTGCTGATTCGGCTTATGATCAGAAGAACATTAGGCGAAGAGTTTATGATGCTTTAAATGTGCTAA
TGGCAATGAACATAATTTCAAAGGAAAAAAAAGAAATCAAGTGGATTGGCCTGCCTACCAATTCTGCTCA
GGAATGTCAGAATCTGGAGATAGAGAAGCAGAGGCGGATAGAACGGATAAAGCAGAAGCGGGCCCAGCTG
CAAGAACTTCTCCTACAGCAAATCGCTTTCAAAAACCTGGTACAGAGAAATCGACAAAATGAGCAGCAAA
ACCAGGGCCCGCCGGCTCTGAACTCTACCATTCAGCTGCCATTCATAATCATCAATACAAGCAGAAAAAC
AGTCATAGATTGCAGCATCTCCAGTGACAAGTTTGAGTATCTTTTCAATTTTGACAACACCTTTGAGATC
CATGATGACATAGAAGTACTAAAGCGGATGGGAATGTCGTTTGGCCTGGAGTCAGGCAAATGCTCTCTGG
AGGATCTGAAACTTGCGAAATCCCTGGTGCCAAAGGCTTTAGAAGGTTATATCACAGATATCTCCACAGG
ACCTTCTTGGTTAAATCAGGGACTACTTCTGAACTCTACCCAATCAGTTTCAAATTTAGACCTGACCACT
GGTGCCACCTTACCCCAGTCAAGTGTAAACCAAGGGTTATGCTTGGATGCAGAAGTGGCCTTAGCAACTG
GGCAGTTCCTGGCCCCAAACAGTCACCAGTCCAGCAGTGCGGCCTCTCACTGCTCCGAGTCCCGAGGCGA
GACCCCCTGTTCGTTCAATGATGAAGATGAGGAAGATGATGAGGAGGATTCCTCCTCCCCAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

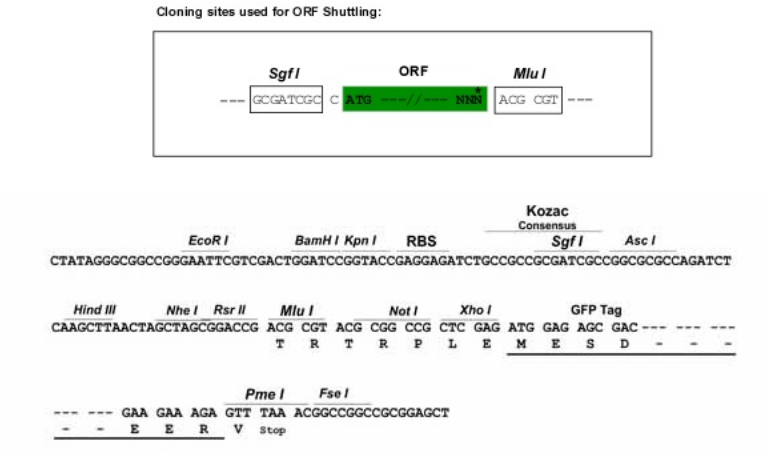
>RG230045 representing NM_001178140
Red=Cloning site Green=Tags(s)

MQPEGIIFEAENKPSPGTESAGTFILDLSATSRTIISTPQRLTSSGSVLIGSPYTPAPAMVTQTHIAEAT
GWVPGDRKRARKFIDSDFSESKRSKKGDKNGKGLRHFSMKVCEKVQRKGTTSYNEVADELVSEFTNSNNH
LAADSAYDQKNIRRRVYDALNVLMAMNIISKEKKEIKWIGLPTNSAQECQNLEIEKQRRIERIKQKRAQL
QELLLQQIAFKNLVQRNRQNEQQNQGPPALNSTIQLPFIIINTSRKTVIDCSISSDKFEYLFNFDNTFEI
HDDIEVLKRMGMSFGLESGKCSLEDLKLAKSLVPKALEGYITDISTGPSWLNQGLLLNSTQSVSNLDLTT
GATLPQSSVNQGLCLDAEVALATGQFLAPNSHQSSSAASHCSESRGETPCSFNDEDEEDDEEDSSSPE

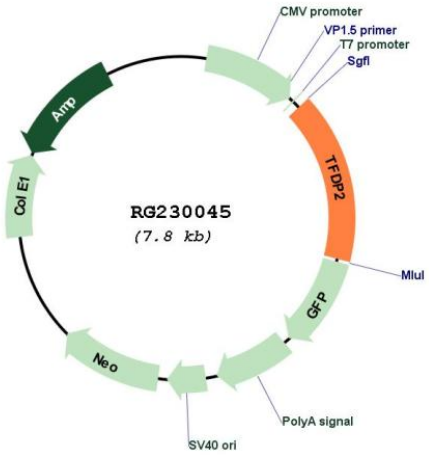
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001178140

ORF Size:	1254 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_001178140.2
RefSeq Size:	9404 bp
RefSeq ORF:	1257 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]