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Product datasheet for RC229975

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:	Myc-DDK
Symbol:	DP2
Synonyms:	DP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC229975 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATTATAAGCACACCACAGAGACTAACCAGTTCAGGAAGTGTTCTGATTGGGAGTCCATATACCCCTG
CACCAGCAATGGTTACTCAGACACACATAGCAGAAGCTACTGGCTGGGTCCCTGGTGATAGAAAACGGGC
TAGAAAATTTATAGACTCTGATTTTTCAGAAAGTAAACGAAGCAAAAAAGGAGATAAAAATGGGAAAGGC
TTGAGACACTTTTCAATGAAAGTGTGTGAGAAAGTTCAACGAAAAGGTACAACATCGTACAATGAAGTCG
CTGATGAGCTGGTGTCAGAGTTCACCAATTCAAATAACCATTTGGCTGCTGATTCGCAGGCTTATGATCA
GAAGAACATTAGGCGAAGAGTTTATGATGCTTTAAATGTGCTAATGGCAATGAACATAATTTCAAAGGAA
AAAAAAGAAATCAAGTGGATTGGCCTGCCTACCAATTCTGCTCAGGAATGTCAGAATCTGGAGATAGAGA
AGCAGAGGCGGATAGAACGGATAAAGCAGAAGCGGGCCCAGCTGCAAGAACTTCTCCTACAGCAAATCGC
TTTCAAAAACCTGGTACAGAGAAATCGACAAAATGAGCAGCAAAACCAGGGCCCGCCGGCTCTGAACTCT
ACCATTCAGCTGCCATTCATAATCATCAATACAAGCAGAAAAACAGTCATAGATTGCAGCATCTCCAGTG
ACAAGTTTGAGTATCTTTTCAATTTTGACAACACCTTTGAGATCCATGATGACATAGAAGTACTAAAGCG
GATGGGAATGTCGTTTGGCCTGGAGTCAGGCAAATGCTCTCTGGAGGATCTGAAACTTGCGAAATCCCTG
GTGCCAAAGGCTTTAGAAGGTTATATCACAGATATCTCCACAGGACCTTCTTGGTTAAATCAGGGACTAC
TTCTGAACTCTACCCAATCAGTTTCAAATTTAGACCTGACCACTGGTGCCACCTTACCCCAGTCAAGTGT
AAACCAAGGGTTATGCTTGGATGCAGAAGTGGCCTTAGCAACTGGGCAGTTCCTGGCCCCAAACAGTCAC
CAGTCCAGCAGTGCGGCCTCTCACTGCTCCGAGTCCCGAGGCGAGACCCCCTGTTCGTTCAATGATGAAG
ATGAGGAAGATGATGAGGAGGATTCCTCCTCCCCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC229975 protein sequence
Red=Cloning site Green=Tags(s)

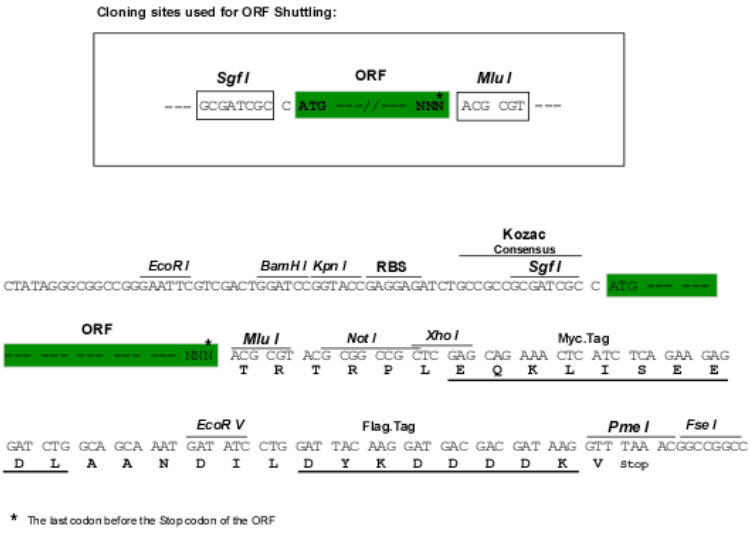
MIISTPQRLTSSGSVLIGSPYTPAPAMVTQTHIAEATGWVPGDRKRARKFIDSDFSESKRSKKGDKNGKG
LRHFSMKVCEKVQRKGTTSYNEVADELVSEFTNSNNHLAADSQAYDQKNIRRRVYDALNVLMAMNIISKE
KKEIKWIGLPTNSAQECQNLEIEKQRRIERIKQKRAQLQELLLQQIAFKNLVQRNRQNEQQNQGPPALNS
TIQLPFIIINTSRKTVIDCSISSDKFEYLFNFDNTFEIHDDIEVLKRMGMSFGLESGKCSLEDLKLAKSL
VPKALEGYITDISTGPSWLNQGLLLNSTQSVSNLDLTTGATLPQSSVNQGLCLDAEVALATGQFLAPNSH
QSSSAASHCSESRGETPCSFNDEDEEDDEEDSSSPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6064_f06.zip

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

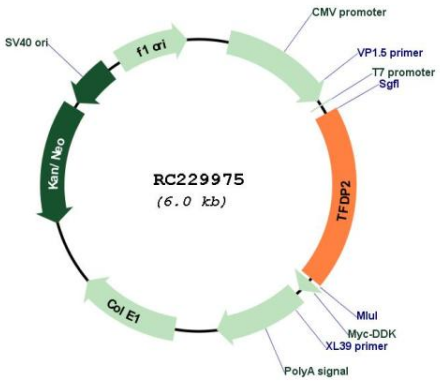
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Cell cycle

MW: 43 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 RC229975