

Product datasheet for RC219344

TFDP3 (NM_016521) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFDP3 (NM_016521) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TFDP3
Synonyms:	CT30; DP4; HCA661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219344 representing NM_016521 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCAGAGACCAGCAGCATCAAACATCCCTGTGGTAGGAAGCCAAACCCACCCAGCACTCACTTTG
CCTCTCAGAACAGCATTCTACTCCTCACCTCCTTGGGCCGGGCAGCACAACAGGAAAGGAGAGAAGAA
TGGCATGGCCTGTGCCGTCTTCCATGAAGGTCTGGGAGACGGTGCAGAGGAAAGGGACCCTTCTGC
CAGGAAGTGGTGGCGAGCTGGTCGCCAAGTTCAGAGCTGCCAGCAACCACGCCTCACCAAACGAGTCAG
CTTATGACGTGAAAAACATAAAACGGCGCACCTACGATGCCTTAAACGTGCTGATGGCCATGAATATCAT
CTCCAGGGAGAAAAAGAAGATCAAGTGGATTGGTCTGACCACCAACTCGGCTCAGAACTGTCAAGCTTA
CGGGTGGAAAGACAGAAGAGACTTGAAAGAATAAAGCAGAAACAGTCTGAACTTCAACAACCTTATTCTAC
AGCAAATTGCTTTCAAGAACCTGGTGTGAGAAACAGTATGTGGAGGAGCAGGTGAGCCAGCGGCCGCT
GCCCAACTCAGTCATCCACGTGCCCTTCATCATCAGCAGTAGCAAGAAGACCGTCACTCAACTGCAGC
ATCTCCGACGACAAATCAGAATATCTGTTAAGTTAACAGCTCCTTTGAAATCCACGATGACACAGAAG
TGCTGATGTGGATGGCATGACTTTTGGGCTAGAGTCCGGGAGCTGCTCTGCCGAAGACCTTAAATGGC
CAGAAATTTGGTCCAAAGGCTCTGGAGCCGTACGTGACAGAAATGGCTCAGGAACTTTTGGAGGTGTG
TTCACGACGGCAGGTTCCAGGTAAATGGCAGTGGCTTCTGCCAGTGACCTGACCAACATTGCGATTG
GGATGCTGGCCACAAGCTCCGGTGGATCTCAGTACAGTGGCTCCAGGGTGGAGACCCAGCAGTCGAGGA
GGAAGAGGAGGAGGACAACAACGATGACGACCTCAGTGAGAATGACGAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219344 representing NM_016521
Red=Cloning site Green=Tags(s)

MPQRPAASNIPVVGSPNPPSTHFASQNQHSYSSPPWAGQHNKGEKNGMGLCRLSMKVWETVQRKGTTCSC
 QEVVGGELVAKFRAASNHASPNEAYDVKNIKRRTYDALNVLMMNIIISREKKIKWIGLTTNSAQNCQL
 RVERQKRLERIKQKQSELQQLILQQIAFKNLVLRNQYVEEQVSRPLPNSVIHVPFIIISSSKKTVINCS
 ISDDKSEYLFKFNSSFELHDDTEVLMWMMGMTFGLSESGSCSAEDLKMARNLVPKALEPYVTEMAQGTFFGGV
 FTTAGSRNGTWLSASDLTNIAIGMLATSSGGSQYSGSRVETPAVEEEEEEDNDDDLSENDEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6464_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016521

ORF Size: 1035 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 Size: 1680 bp

RefSeq ORF: 1218 bp

Locus ID: 51270

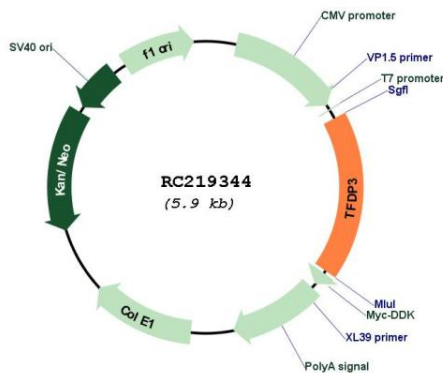
UniProt ID: [Q5H9I0](#)

Cytogenetics: Xq26.2

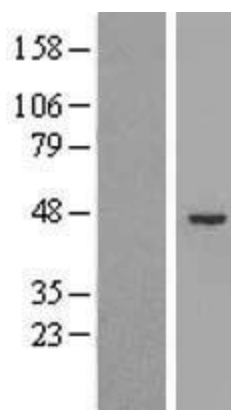
MW: 38.43 kDa

Gene Summary: This gene encodes a member of the DP family of transcription factors. These factors heterodimerize with E2F proteins to enhance their DNA-binding activity and promote transcription from E2F target genes. This protein functions as a negative regulator and inhibits the DNA binding and transcriptional activities of E2F factors.[provided by RefSeq, May 2010]

Product images:



Circular map for RC219344



Western blot validation of overexpression lysate (Cat# [LY413955]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219344 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).