

Product datasheet for **RC226626**

p53 DINP1 (TP53INP1) (NM_001135733) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p53 DINP1 (TP53INP1) (NM_001135733) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: p53 DINP1
Synonyms: p53DINP1; SIP; Teap; TP53DINP1; TP53INP1A; TP53INP1B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC226626 representing NM_001135733
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGAGGCTGAATAAAATGTTTGTGGGTGAAGTCAGTTCTTCTCCAACCAAGAACCAGAATTCA
ATGAGAAAGAAGATGATGAATGGATTCTGTTGACTTCATAGATACTTGCCTGGTTTCTCAGCAGAAGA
AGAAGAAGAAGAGGAGGACATCAGTGAAGAGTCACCTACTGAGCACCTTCAGTCTTTCTGTTTACCG
GCATCTCTTGAGTGCTTGGCTGATACAAGTGATTCCTGCTTCTCCAGTTTGAGTCATGTCCAATGGAGG
AGAGCTGGTTTATCACCCACCCCATGTTTACTGCAGGTGGATTAACCACTATCAAGGTGAAACAAG
TCCTATGGAAAACCTTCTCATTGAACATCCCAGCATGTCTGTCTATGCTGTGCATAACTCCTGCCCTGGT
CTCAGTGAGGCCACCCGTGGGACTGATGAATTACATAGCCAAGTAGTCCAGGGCCAGGAAAAGCTGCT
TA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226626 representing NM_001135733
Red=Cloning site Green=Tags(s)

MFQRLNKMVGEVSSSSNQEPFNEKEDDEWILVDFIDTCTGFSAEIIIIIIIEEESPTHEPSVFSCLP
ASLECLADTSDSCFLQFESCPMEESWFIPTPPCF TAGGLTTIKVETSPMENLLIEHPSMSVYAVHNSCPG
LSEATRGDELHSPSSPRARKSCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8031_b09.zip



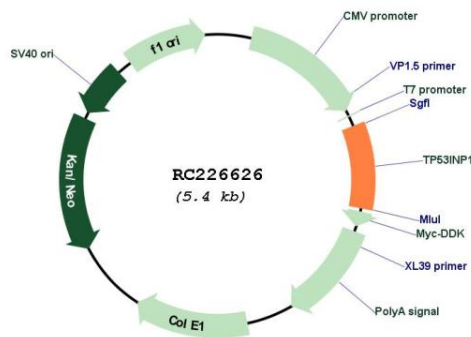
[View online »](#)

Protein Families: Druggable Genome

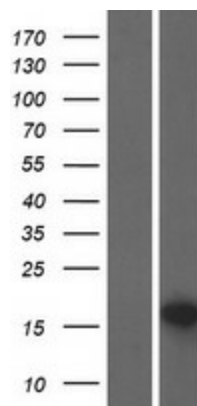
MW: 18.1 kDa

Gene Summary: Antiproliferative and proapoptotic protein involved in cell stress response which acts as a dual regulator of transcription and autophagy. Acts as a positive regulator of autophagy. In response to cellular stress or activation of autophagy, relocates to autophagosomes where it interacts with autophagosome-associated proteins GABARAP, GABARAPL1/L2, MAP1LC3A/B/C and regulates autophagy. Acts as an antioxidant and plays a major role in p53/TP53-driven oxidative stress response. Possesses both a p53/TP53-independent intracellular reactive oxygen species (ROS) regulatory function and a p53/TP53-dependent transcription regulatory function. Positively regulates p53/TP53 and p73/TP73 and stimulates their capacity to induce apoptosis and regulate cell cycle. In response to double-strand DNA breaks, promotes p53/TP53 phosphorylation on 'Ser-46' and subsequent apoptosis. Acts as a tumor suppressor by inducing cell death by an autophagy and caspase-dependent mechanism. Can reduce cell migration by regulating the expression of SPARC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226626



Western blot validation of overexpression lysate (Cat# [LY427688]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226626 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).