

Product datasheet for **RC209431**

DDX6 (NM_004397) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX6 (NM_004397) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DDX6
Synonyms:	HLR2; IDDILF; P54; RCK; Rck/p54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC209431 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACGGCCAGAACAGAGAACCCTGTTATAATGGGTCTGTCCAGTCAAAATGGTCAGCTGAGAGGCC
 CTGTGAAACCCACTGGTGGCCCTGGAGGAGGGGCACACAGACACAGCAACAGATGAACCAGCTGAAAA
 CACCAACACAATCAATAATGGCACTCAGCAGCAAGCACAGAGTATGACCACCACTATTAACCTGGTGAT
 GACTGGAAAAAGACTTTAAACTCCCTCCAAGGATCTAAGAATCAAACTTCGGATGTGACCTCCACAA
 AAGGAAATGAGTTTGAAGTACTGTTTAAACCGGAGTTACTGATGGGAATTTTGAATGGGCTGGGA
 AAAGCCATCTCTATTACAGGAGGAGCATTCCCATTGCTTTATCTGGTAGGGATATCTTAGCTAGAGCA
 AAAAATGGAACAGGCAAGAGCGGTGCCTACCTCATTCCCTTACTGAACGGCTAGACCTGAAGAAGGACA
 ATATAACAAGCAATGGTGATTGTTCCCACTAGAGAACTTGCTCTACAGGTCAGTCAAAATTTGCATCCAGT
 CAGCAAAACACATGGGAGGGGCCAAAGTATGGCAACCACAGGAGGAACCAATTTACGAGATGACATAATG
 AGGCTTGATGATACAGTGCACGTGGTGATTGCTACCCCTGGGAGAATCCTGGATCTTATTAAGAAAGGAG
 TAGCAAAGGTTGATCATGTCCAGATGATAGTATTGGATGAGGCAGATAAGTTGCTGTCCACAGGATTTTGT
 GCAGATAATGGAGGATATTATTCTCACGCTACCTAAAAACAGGCAGATTTTACTATATCCGCTACTTTC
 CCTCTTAGTGACAGAAGTTCATGAATCCCATTTCAGAAAACCTATGAGATTAACCTGATGGAGGAAC
 TAACTCTGAAGGGAGTAACCCAGTACTACGCATATGTAAGTACGCGCCAAAAAGTACACTGCCTCAACAC
 ACTTTTCTCCAGGCTTCAGATAAACCAGTCGATCATTTTCTGTAAGTCTCTCAGCGAGTTGAATTGCTA
 GCCAAGAAGATTTCTCAACTGGGTTATTCTTGTCTATATTGCTAAAATGAGGCAGGAACATCGAA
 ATCGTGATTTTTCATGATTTCCGAATGGCTTATGCCGCAATCTGTTTGCAGTCTGTTTACCCGAGG
 TATTGATATAACAAGCTGTGAATGTGTAATAAACTTTGATTTCCCAAAGCTGGCAGAGACCTATCTCCAT
 CGTATTGGAAGATCAGGTCGCTTGGTTCATCTGGCTTAGCCATCAACTGATCACATATGATGATCGCT
 TCAACCTGAAAAGTATTGAGGAGCAGCTGGGAACAGAAATTAACCTATTCGAGCAACATTGATAAGAG
 CCTGTATGTGGCAGAATACCACAGCGAGCTGTAGAAGATGAGAAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209431 protein sequence
 Red=Cloning site Green=Tags(s)

MSTARTENPVIMGLSSQNGQLRGPVKPTGGPGGGGTQTQQQMNQLKNTNTINNGTQQQAQSMTTTIKPGD
 DWKKTLLKLPKDLRIKTSVDTSTKGNFEDYCLKRELLMGIFEMGWKPSPIQEESIPIALSGRDILARA
 KNGTGKSGAYLIPLLERLDLKKDNIQAMVIVPTRELALQVSQICIQVSKHMGGAQVMATTGGTNLRDDIM
 RLDDTVHVVIATPGRILDLIKGVAKVDHVQMIVLDEADKLLSQDFVQIMEDIILTLPKNRQILLYSATF
 PLSVQKFMNSHLQKPYEINLMEELTLKGVYQYYVYTERQKVHCLNLF SRLQINQSIIFCNSSQRVELL
 AKKISQLGYSCFYIHAKMRQEHRNRVFDHFRNGLCRNLVCTDLFTRGIDIQAVNVVINFDFPKLAETYLH
 RIGRSRFGHLGLAINLITYDDRFLNLSIEEQLGTEIKPISNIDKSLYVAEYHSEPVDEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6147_c12.zip

Restriction Sites:

Sgfl-MluI

UniProt ID: [P26196](#)

Cytogenetics: 11q23.3

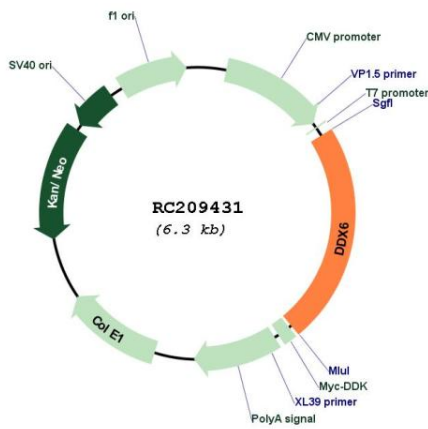
Domains: DEAD, helicase_C

Protein Pathways: RNA degradation

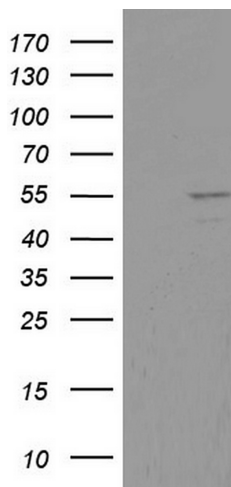
MW: 54.4 kDa

Gene Summary: This gene encodes a member of the DEAD box protein family. The protein is an RNA helicase found in P-bodies and stress granules, and functions in translation suppression and mRNA degradation. It is required for microRNA-induced gene silencing. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Mar 2012]

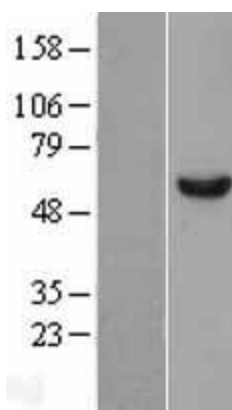
Product images:



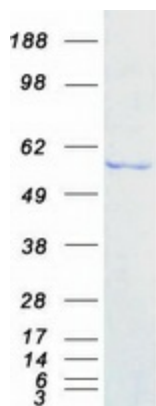
Circular map for RC209431



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY DDX6 (Cat# RC209431, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DDX6 (Cat# [TA804323]). Positive lysates [LY401399] (100ug) and [LC401399] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY401399]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209431 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DDX6 protein (Cat# [TP309431]). The protein was produced from HEK293T cells transfected with DDX6 cDNA clone (Cat# RC209431) using MegaTran 2.0 (Cat# [TT210002]).