

Product datasheet for **RR208292**

Ddx6 (NM_001109292) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx6 (NM_001109292) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx6
Synonyms:	RGD1564560
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208292 representing NM_001109292
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACGGCCAGGACAGAGAACCCTGTTATCATGGGTCTGTCCAGTCAGAACGGCCAGCTGAGGGGCC
 CTGTGAAGGCCAGTGCCGGCCCTGGAGGAGGGGCCACAGACACAGACACAGATGAACCAGTTGAAGAA
 CACCAGCACAATCAATAATGGCACTCAGCAGCAAGCACAGAGCATTGGCCGCCACCATTAAACCTGGTGAT
 GACTGGAAAAAGACTTTAAACTCCCTCCAAGGATCTAAGAATTAAGTTCGGATGTGACCTCCACAA
 AAGGAAATGAGTTTGAAGATTACTGTTTAAACGAGAGTTGCTAATGGGAATTTTGAATGGGCTGGGA
 AAAACCATCTCTATTACAGGAGGAGAGCATTCCCATTGCTTTATCTGGTAGGGATATCTTAGCTAGAGCA
 AAAAATGGAACAGGCAAAGCGGTGCCTACCTCATCCCCTTACTGAACGGCTGGACCTGAAGAAGGACA
 ATATTCAAGCAATGGTGATTGTTCCCACTAGAGAATTGCTCTACAGGTCAGTCAATTTGCATCCAGGT
 CAGCAAACACATGGGAGGGGCCAAAGTGTGGCGACCACTGGAGGAACCAATTTACGGGATGACATAATG
 AGGCTTGACGATACAGTGCATGTGGTGATTGCTACCCCTGGCAGAATCCTGGATCTTATCAAGAAAGGAG
 TAGCAAAGGTTGATCATGTCCAGATGATAGTATTGGATGAGGCAGATAAGTTGTTGTACAGGACTTTGT
 GCAGATAATGGAGGATATTATTCTCACACTACCTAAAAATAGGCAGATTTTACTATATCCGCTACTTTC
 CCTCTTAGTGACAAAAGTTTATGAATCCCATCTGCAAAAACCTACGAGATAAACCTGATGGAGGAGC
 TAACTCTGAAAGGGGTGACCCAGTACTACGCATATGTAACGGAGCGCCAAAAAGTGCCTGCCTCAATAC
 ACTCTTCCAGGCTTCCAGATAAACCAGTCGATCATTTTCTGCAACTCTTCTCAGAGAGTTGAGTTACTG
 GCCAAGAAGATTTCTCAGCTGGTTACTCTTCTTCTATCCATGCTAAAATGAGGCAGGAACATAGAA
 ATCGTGTCTTTTCATGATTTCCGAAATGGCTTATGCCGCAATCTGTTTGCCTGATCTGTTTACCCGAGG
 TATTGATATACAAGCTGTGAATGTGTAATAAACTTTGACTTCCCAAAGCTGGCAGAGACCTATCTTCAT
 CGGATTGGAAGGTCAGGTCGCTTGGTTCATCTGGCTTAGCCATCAACTGATCAGATATGATGATCGCT
 TCAACCTGAAGAGTATTGAGGAGCAGCTGGGGACAGAGATCAAACCCATCCCAAGCAACATTGACAAGAG
 CCTGTATGTGGCAGAATACCACAGTGAGCCTGCAGAAGATGAGAAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208292 representing NM_001109292
 Red=Cloning site Green=Tags(s)

MSTARTENPVIMGLSSQNGQLRGPVKASAGPGGGPQTQTQMNQLKNTSTINNGTQQQAQSMAATIKPGD
 DWKKTLLKLPKDLRIKTSVDTSTKGNFEDYCLKRELLMGIFEMGWEKPSPIQEESIPIALSGRDILARA
 KNGTGKSGAYLIPLLERLDLKKDNIQAMVIVPTRELALQVSQICIQVSKHMGGAKVMATTGGTNLRDDIM
 RLDDTVHVVIATPGRILDLIKKGVAKVVDHVQMIIVLDEADKLLSQDFVQIMEDIILTLPKNRQILLYSATF
 PLSVQKFMNSHLQKPYEINLMEELTLKGVTYYYAVYTERQKVHCLNTLFSRLQINQSIIFCNSSQRVELL
 AKKISQLGYSCFYIHAKMRQEHNRVVFHDFRNLGRNLVCTDLFTRGIDIQAVNVVINFDFPKLAETYLH
 RIGRSGRFGHLGLAINLITYDDRFNLKSIEEQLGTEIKPIPSNIDKSLYVAEYHSEPAEDEPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

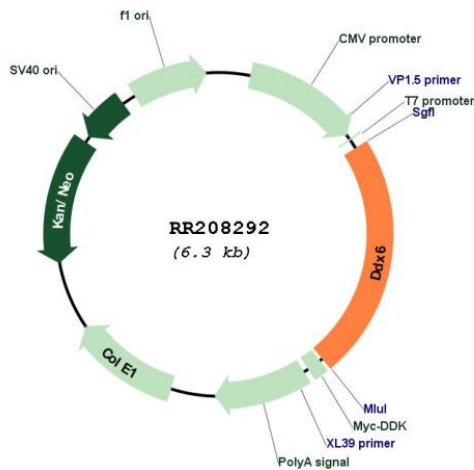
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109292

ORF Size: 1449 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_001109292.1](#), [NP_001102762.1](#)

RefSeq Size: 2698 bp

RefSeq ORF: 1452 bp

Locus ID: 500988

Cytogenetics: 8q22

MW: 54.2 kDa