

Product datasheet for **RR214479**

Dhx32 (NM_001130039) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx32 (NM_001130039) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhx32
Synonyms:	Ddx32
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RR214479 representing NM_001130039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTCACTGCGGGAAGAAATGGACGAAGGAACTGGAGCATCCAAACGCCTCCCCAGAAAAACGCT
 ATTTCCCGAATCCCTAGATTCCAGCGATGGGGATGAAGAAGGGTCCTGGCCTGCGAGGATCTGGAGCT
 GAACCCCTTTGACGGCTTGCCGTATTCATCGCATATTACAACTTCTGAAAGAGAGAGAGGAGCTTCCG
 ATATGGAAGAAAAGTACTCCTTCATGGAGAGTCTGCTGCAAAATCAGGTTGTGCTCGTGTGAGGGGACT
 CCAAGTGCAGCAAGAGCTCTCAGGTTCTCAGTGGTGTGCTGAATATTGCCTTTCCATCCATTATCAGCA
 CGGGGGCGTGATTTGCACACAGGTCCACAAGCAGACGGCAGTGCAGCTGGCCCTGCGGGTAGCCGACGAG
 ATGGATGTTAATATTGGTACGAAGTTGGCTATGTGATTCTTTTGAAGACTGCTGCACCACTGAAACCA
 TCCTGAGGTAAGTACCGATGACATGCTACAAAGAGAAAATGATGTCCAATCCTTTCTGGTAGCTATGG
 TGTTCATCATCTTGACGATGTCCACGAGAGAAGCCTGGCGACTGACGTGTGCTTGGACTCCTTAAAGAT
 GTGCTACTGGCAAGGCCAGAGCTGAAGCTCATAATAAACTGCTCACCTTTCTCATCAGCAGACTCAGTT
 CCTACTATGGGAATGTGCTCTCCTAGAAAGTGAAGAAATAGCACCCCGTGGAGGTGGTGTACCTTAGTGG
 GGCTCAGAAGGATCCCTTCGAGTCTGTCGTACGCCCTTATCTTTGAAATCCACCGCTCGGGTGAAGAGGT
 GACGTCGTGGTCTTCTGGCCTGTGAACAAGATATTGAAAAACCTATGAAATCGTGTGTCAGGAAGGAT
 CTAACCTAAACCCAGATGTTGGGAGAGCTGGTGGTCACTTCTTTGTATCCCAAAGAGAAAATGCAGCCTGTT
 CAGGCCAGTGGATGAAACCGAGAAAAGGTGCCAAGCGTCTCAGAGACGGGTGGTGTGCTGACCACAGCTGC
 GGGGAGTCTCTGATCTGGAGCCACACCGTCAGATTTGTTATTGATGTTGGTCTTGAAGAAGACAGGTAT
 ACAATCCCCGAATCAGAGCCAACCTCCCTCGTCTGCAGCCATCAGCCAAAGCCAAGCAGAGATCCGGAA
 CAGACTCCTCGGGTCTTCTCCCTCAGGAAAACCTTTTCTGTCTGTACACTGAAGAATTTGCCCTCAAAGAC
 ATGAGGCCACTTAAGCCAGCAGAAATGCAGGAAGCCAACCTCACAGCATGGTGTCTTTCATGAAGAGGG
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 TGCAGTGACTTGCTGGAAAACGTTCTTGCACCCGAAGGTGACCACTTTACACTCATCAACATCTACAAC
 GCCTACCAAGATACGGTTCTGAACTCTGCCAATGAACACTGTGTGGAGACATGGTGTCAACTGCTTCC
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 GCTTCCCTATGCAGAGCCTGCCTTCGGCTCCCAGGAGAATGGTCTGAACATCAAGAAAGCACTGCTCTCT
 GGGTACTTCATGCAGATTGCCGGGATGTTGACGGGTGAGTAACTACTTAATGCTTACACATAAGCAGG
 TTGCTCAGCTGCACCCCTTATCCAGCTACGCCATCACCAAGAAGATGCCCGAGTGGGTCCTTCCATCA
 GTTCAGCATATCTGAGAACAACTACATCAGGGTCACTCAGCAGTCTCCCTGAGCTATTTATGCAGCTG
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 ACCTACCAACACAGCTATGGACAAGGACCAGGATGTGTGTGACAAGTGGCCAGATGCTACTGAGCAGAG
 ATGCACAGTCCAG

ACGCGTACGCGGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214479 representing NM_001130039
 Red=Cloning site Green=Tags(s)

MSSLREEMDEEELEHPNASPEKRYFPESLDSSDGDEEGLACEDLELNPF DGLPYSSRYKLLKEREELP
 IWKEKYSFMESLLQNQVVLVSGDSKCGKSSQVPQWCAEYCLSIHYQHGGVICTQVHKQTAVQLALRVADE
 MDVNIGHEVGYVVPFENCCTTETILRYCTDDMLQREMMSNPFLGSYGVIIILDDVHERSLATDVLLGLLKD
 VLLARPELKLIIINCSPFLISRLLSSYYGNVPLLEVRNKHVPVEVVYLSGAQKDPFESVVRLIFEIHRSGEQG
 DVVVFLACEQDIEKTYEIVCQEGSNLNPVVGELVVIPLYPKEKCSLFRPVEDETEKRCQASQRRVLTTS
 GESLIWSHTVRFVIDVGLERRQVYNPRIRANSLVLQPISSQSAEIRKQLLGGSSPGKLFCLYTEEFASKD
 MRPLKPAEMQEANLTSMLVFMKRVDIAGLGRCDFMNRPAPELSMQALELDYLAALDNDGNLSEFGIIMS
 EFPLDPQLSKSILASCEFDVDEMLTIAAMVTAPSCFLHVPHGAEAAVTCWKTFHPEGDHFTLINIYN
 AYQDVLNSANEHCVETWCHNCFLSCSALRMADVIRAELEI IKRIELPYAEPAFGSQENGLNIKKALLS
 GYFMQIARDVDGSGNYLMLTHKQVAQLHPLSSYAITKKMPEWVLFHQFSISENNYIRVTSAVSPELPMQL
 VPQYYFNSLPPSESKDILQQASGHLPTTAMDKDQDVCDKCPDATEQRCTVQ

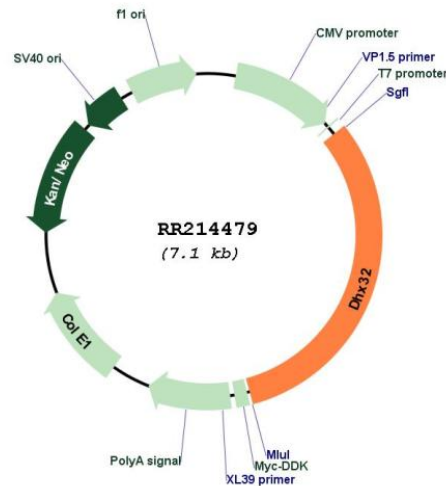
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001130039

ORF Size: 2253 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_001130039.1](#), [NP_001123511.1](#)

RefSeq Size: 3194 bp

RefSeq ORF: 2256 bp

Locus ID: 361667

Cytogenetics: 1q41

MW: 84.8 kDa