

Product datasheet for **MR231067**

Dhx32 (NM_001286031) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx32 (NM_001286031) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhx32
Synonyms:	3110079L04Rik; 4732469F02Rik; AA408140; Ddx32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR231067 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCTCCCTGCGGGAAGAAATGGATGAAGAGGAACTGGACCATCCGAACGCCTCTCCAGAGAACCGCT
ATTTCCCGAGTCCCTAGATTCCAGTGACGGGGACGAGGAAGGGTCCTGGCCTGCGAGGATCTGGAGCT
GAACCCCTTTGACGGCTTACCGTATTATCGCGATATTACAACTTTTGAAGAGAGAGAAGAGCTTCCG
ATATGGAAAGAAAAGTACTCCTTCATGGAGAGTCTGCTGCAAAACCAGGTTGTGGTGGTGTGAGGGGACT
CCAAGTGTGGCAAGAGCTCTCAGGTTCTCAGTGGTGTGCTGAATATTGCCTTTCCATCCATTACCAGCA
CGGGGGCGTGATATGCACCCAGGCCACAACAGACGGCAGTCCAGCTGGCCCTGCGGGTGGCCGACGAG
ATGGATGTGAATATCGGGCACGAAGTCGGCTATGTGATTCTTTTGAAGACTGCTGCACCACTGAAACAA
TCCTGAGTACTGTACTGATGACATGCTGCAGAGAGAGATGATGTCCAACCCCTTCTGGGTAGCTATGG
CGTCATCATCTTGACGATGTCCACGAGAGAAGCTGGCGACTGACGTGTGCTCGGACTCCTTAAAGAT
GTGCTGTGGCAAGACCAGAGCTGAAGCTCATAGTTAACTGCTCGCCTCTCTCACCAGTAAACTCAGTT
CCTACTATGGAGACGTGCCTGTATAGAAGTGAGAAATAAGCACCCGGTGGAGGTGGTGTACCTTAGTGG
GGCTCAGAAGGATTCTTCGAGTCTGTACACGCTTATCTTTGAAATCCACCGCTCGGGTGAAGGGT
GACGTTGTGGTCTTCTGGCCTGTGAACAAGATATTGAAAAACCTATGAACTTGTGTGTCAGGAAGGAT
CCAACCTAAACCCAGATGTGGGCGACCTGGTGGTTCATCCCTTTGTATCCCAAAGAGAAGTGCAGCCTGTT
CAGGCCAGTGGACGAAACCGAGAAAAGATGCCAAGTGTATCAGAGACGGGTGGTGTGCTGACCACAGCTGC
GGGAGTCTCTGATCTGGAGCCACACGGTCAAATTTGTATTGATGTTGGTCTGGAAAGAAGACAGGTAT
ATAACCCCGGATCAGAGCCAACCTCCCTGTCCTGCAGCCATCAGCCAAAGCCAAGCAGAGATCCGGAA
GCAGCTCCTCGGGTCTTCTCCCTCAGGAAAACCTTTCTGTCTGTACTGAAGAATTTGCCTCCAAGAC
ATGAGGCCCTTAAGCCAGCGGAAATGCAGGAAGCCAACCTGACTAGCATGGTGTCTTTCATGAAGAGGG
TGGACATTGCAGGCCTGGGCCGCTGCGACTTCATGAACAGGCCAGCTCCAGAAAGCCTGATGCAGGCACT
GGAAGATTTAGATTACCTGGCAGCCCTGGACAACGATGGGAATCTCTCTGAGTTTGAATCATCATGTCT
GAGTTTCTCTGGATCCACAGCTCTCAAAGTCTATCTTAGCATCCTGTGAATTTGACTGTGTAGACGAAA
TGCTAACCATCGCTGCCATGGTAACAGCTCCAGTTGCTTTTGCACGTGCCTCATGGTGTGAGGAGGC
TGCAGTGACTTGTGAAAACGTTCTTGCACCCGAAGGTGATCACTTTACGCTCATCAATGTCTACAAT
GCCTACCAAGATACAGTTCTGAACTCTGCCAATGAACACTGTGTGGAGATGTGGTGTGACGATTGCTTCC
TCAGCTGCTCTGCTCTCAGGATGGCAGAGCTTATCCGAGCAGAACTCTTAGAGATCATCAAGCGGATCGA
GCTTCCCTATGCAGAGCCTGCCTTTGGCTCCAAGGAAAACGGGTTGAACATCAAGAAAGCGCTGCTCTCT
GGTACTTCATGCAGATTGCTCGGGATGTTGACGGGTGAGGTAACCTACTTGTGCTTACACATAAGCAGG
TTGCTCAGCTGCATCCCTTATCAAGCTATTCATCACCAAGAAGATGCCCGAGTGGGTCCTCTTCCACCA
GTTCCAGCATATCTGAGAACAACTACATCAGGGTGCCTCCGAGTCTCCCTGAGCTATTTATGCAGCTG
GTACCACAGTACTATTTTCAGTAACCTGCCTCCTAGTGAAGCAAGGACATCCTACAGCAAGCTGCAGGCC
ACCTACCCACAGAACTGTGAACAAGGACCAGGATGTGTGTGACAAGTGGCCAGATGCTACTGAGCAGAG
ATGCACAATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231067 protein sequence
 Red=Cloning site Green=Tags(s)

MSSLREEMDEEELDHPNASPEKRYFPESLDSSDGDEEGVLACEDLELNPFDGLPYSSRYKLLKEREELP
 IWKEKYSFMESLLQNQVVVVSGDSKCGKSSQVPQWCAEYCLSIHYQHGGVICTQAHKQTAVQLALRVADE
 MDVNIGHEVGYVVPFENCCTTETILRYCTDDMLQREMMSNPFLGSYGVIIIDDVHERSLATDVLLGLLKD
 VLLARPELKLIVNCSPLLTSKLSYYGDVPVIEVRNKHPVEVVYLSGAQKDSFESVIRLIFEIHRSGEKG
 DVVVFLACEQDIEKTYELVCQEGSNLNPVGDLVVIPLYPKEKCSLFRPVDETEKRCQVYQRRVLTTC
 GESLIWSHTVKFVIDVGLERRQVYNPRIRANSLVLPQISQSQAERKQLLGSSPSGKLFCLYTEEFASKD
 MRPLKPAEMQEANLTSMLVFMKRVDIAGLRCDFMNRPAPELSMQALELDLYLAALDNDGNLSEFGIIMS
 EFLDPQLSKSILASCEFDVDEMLTIAAMVTAPSCFLHVPHGAEAAVTCWKTFHPEGDHFTLINVYN
 AYQDVLNSANEHCVEMWCHDCFLSCSALRMADVIRAELEI IKRIELPYAEPAFGSKENGLNIKKALLS
 GYFMQIARDVDGSGNYLMLTHKQVAQLHPLSSYSITKKMPEWVLFHQFSISENNYIRVASAVSPELPMQL
 VPQYYFNSLPPSESKDILQQAAGHLPTETV NKDQDVCDKCPDATEQRCTIQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001286031

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_001286031.1](#), [NP_001272960.1](#)

RefSeq Size: 2878 bp

RefSeq ORF: 2256 bp

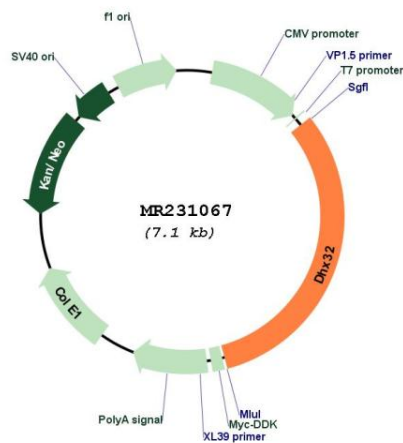
Locus ID: 101437

UniProt ID: [Q8BZS9](#)

Cytogenetics: 7 F3

MW: 84.8 kDa

Product images:



Circular map for MR231067