

Product datasheet for **MR231066**

Dhx32 (NM_001286030) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx32 (NM_001286030) 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:

>MR231066 representing NM_001286030
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCTCCCTGCGGGAAGAAATGGATGAAGAGGAACTGGACCATCCGAACGCCTCTCCAGAGAACCGCT
ATTTCCCGAGTCCCTAGATTCCAGTGACGGGGACGAGGAAGGGTCTGGCCTGCGAGGATCTGGAGCT
GAACCCCTTTGACGGCTTACCGTATTCATCGCATATTACAACTTTTGAAAGAGAGAGAAGAGCTTCCG
ATATGGAAGAAAAGTACTCCTTCATGGAGAGTCTGCTGCAAAACCAGGTTGTGGTGGTGTGAGGGGACT
CCAAGTGTGGCAAGAGCTCTCAGGTTCTCAGTGGTGTGCTGAATATTGCCTTTCCATCCATTACCAGCA
CGGGGGCGTGATATGCACCCAGGCCACAACAGACGGCAGTCCAGTGGCCCTGCGGGTGGCCGACGAG
ATGGATGTGAATATCGGGCACGAAGTCGGCTATGTGATTCCTTTGAGAACTGCTGCACCACTGAAACAA
TCCTGAGGTAAGTACTGATGACATGCTGCAGAGAGAGATGATGTCCAACCTTTCTGGGTAGCTATGG
CGTCATCATCTTGACGATGTCCACGAGAGAAGCTGGCGACTGACGTGTGCTCGGACTCCTTAAAGAT
GTGCTGTGGCAAGACCAGAGCTGAAGCTCATAGTTAACTGCTCGCCTCTCTCACCAGTAAACTCAGTT
CCTACTATGGAGACGTGCCTGTATAGAAGTGAGAAATAAGCACCCGGTGGAGGTGGTGTACCTTAGTGG
GGCTCAGAAGGATTCTTCGAGTCTGTACACGCTTATCTTTGAAATCCACCGCTCGGGTGAAGGGT
GACGTTGTGGTCTTCTGGCCTGTGAACAAGATATTGAAAAACCTATGAACTTGTGTGTCAGGAAGGAT
CCAACCTAAACCCAGATGTGGGCGACCTGGTGGTTCATCCCTTTGTATCCCAAAGAGAAGTGCAGCCTGTT
CAGGCCAGTGGACGAAACCGAGAAAAGATGCCAAGTGTATCAGAGACGGGTGGTGTGCTGACCACAGCTGC
GGGAGTCTCTGATCTGGAGCCACACGGTCAAATTTGTATTGATGTTGGTCTGGAAAGAAGACAGGTAT
ATAACCCCGGATCAGAGCCAACCTCCCTGTCCTGCAGCCATCAGCAAAGCCAAGCAGAGATCCGGAA
GCAGCTCCTCGGGTCTTCTCCCTCAGGAAAACCTTTCTGTCTGTACACTGAAGAATTTGCCCTCAAAGAC
ATGAGGCCCTTAAGCCAGCGGAAATGCAGGAAGCCAACCTGACTAGCATGGTGTCTTTCATGAAGAGGG
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GGAAGATTTAGATTACCTGGCAGCCCTGGACAACGATGGGAATCTCTCTGAGTTTGAATCATCATGTCT
GAGTTTCTCTGGATCCACAGCTCTCAAAGTCTATCTTAGCATCCTGTGAATTTGACTGTGTAGACGAAA
TGCTAACCATCGCTGCCATGGTAACAGCTCCAGTTGCTTTTGCACGTGCCTCATGGTGTGAGGAGGC
TGCAGTGACTTGCTGAAAACGTTCTTGCACCCGAAGGTGATCACTTTACGCTCATCAATGTCTACAAT
GCCTACCAAGATACAGTTCTGAACTCTGCCAATGAACACTGTGTGGAGATGTGGTGTGACGATTGCTTCC
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GCTTCCCTATGCAGAGCCTGCCTTTGGCTCCAAGGAAAACGGGTTGAACATCAAGAAAGCGCTGCTCTCT
GGTACTTCATGCAGATTGCTCGGGATGTTGACGGGTGAGGTAACCTACTTGATGCTTACACATAAGCAGG
TTGCTCAGCTGCATCCCTTATCAAGCTATTCATCACCAAGAAGATGCCCGAGTGGGTCCTCTTCCACCA
GTTCCAGCATATCTGAGAACAACTACATCAGGGTGCCTCCGAGTCTCCCTGAGCTATTTATGCAGCTG
GTACCACAGTACTATTTTCAGTAACCTGCCTCCTAGTGAAGCAAGGACATCCTACAGCAAGCTGCAGGCC
ACCTACCCACAGAACTGTGAACAAGGACCAGGATGTGTGTGACAAGTGGCCAGATGCTACTGAGCAGAG
ATGCACAATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231066 representing NM_001286030
 Red=Cloning site Green=Tags(s)

MSSLREEMDEEELDHPNASPEKRYFPESLDSSDGDEEGVLACEDLELNPF DGLPYSSRYKLLKEREELP
 IWKEKYSFMESLLQNQVVVVSGDSKCGKSSQVPQWCAEYCLSIHYQHGGVICTQAHKQTAVQLALRVADE
 MDVNIGHEVGYVVPFENCCTTETILRYCTDDMLQREMMSNPFLGSGYGVIIIDDVHERSLATDVLLGLLKD
 VLLARPELKLIVNCSPLLTSKLSYYGDVPVIEVRNKHHPVEVVYLSGAQKDSFESVIRLIFEIHRSGEKG
 DVVVFLACEQDIEKTYELVCQEGSNLNPVGD LVVIPLYPKEKCSLFRPVD ETEKRCQVYQRRVLT TSC
 GESLIWSHTVKFVIDVGLERRQVYNPRIRANSLVLQPI SQSQA EIRKQLLGSSPSGKLFCLYTEEFASKD
 MRPLKPAEMQEANL TSMVLFMKRVDIAGLGRCDFMNRPAPESLMQALELDYLAALDNDGNLSEFGIIMS
 EFPLDPQLSKSILASCEFDVDEMLTIAAMVTAPSCFLHVPHGAEAAVTCWKTF LHPEGDHFTLINVYN
 AYQD TVLNSANEHC VEMWCHDCFLSCSALRMADVIRAE LLEIKRIELPYAEPAFGSKENGLNIKKALLS
 GYFMQIARDVDGSGNYLMLTHKQVAQLHPLSSYSITKKMPEWVLFHQFSISENNYIRVASAVSPEL F MQL
 VPQYYFNSLPPSESKDILQQAAGHLPTETV NKDQDVCDKCPDATEQRCTIQ

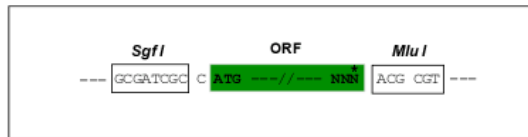
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001286030

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_001286030.1](#), [NP_001272959.1](#)

RefSeq Size: 3009 bp

RefSeq ORF: 2256 bp

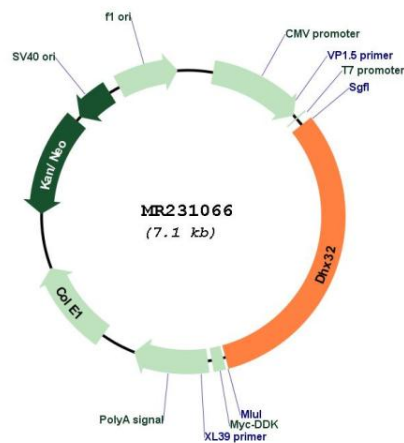
Locus ID: 101437

UniProt ID: [Q8BZS9](#)

Cytogenetics: 7 F3

MW: 84.8 kDa

Product images:



Circular map for MR231066