

Product datasheet for **MR210465**

Dhx32 (NM_133941) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx32 (NM_133941) 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:

>MR210465 representing NM_133941
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTCCCTGCGGGAAGAAATGGATGAAGAGGAACTGGACCATCCGAACGCCTCTCCAGAGAACCGCT
 ATTTCCCGAGTCCCTAGATTCCAGTGACGGGGACGAGGAAGGGTCTGGCCTGCGAGGATCTGGAGCT
 GAACCCCTTTGACGGCTTACCGTATTATCGCGATATTACAACTTTTGAAGAGAGAGAAGAGCTTCCG
 ATATGGAAAGAAAAGTACTCCTTCATGGAGAGTCTGCTGCAAAACCAGGTTGTGGTGGTGTGAGGGGACT
 CCAAGTGTGGCAAGAGCTCTCAGGTTCTCAGTGGTGTGCTGAATATTGCCTTTCCATCCATTACCAGCA
 CGGGGGCGTGATATGCACCCAGGCCACAACAGACGGCAGTCCAGCTGGCCCTGCGGGTGGCCGACGAG
 ATGGATGTGAATATCGGGCACGAAGTCGGCTATGTGATTCTTTTGAAGACTGCTGCACCACTGAAACAA
 TCCTGAGGTAAGTACTGATGACATGCTGCAGAGAGAGATGATGTCCAACCTTTCTGGGTAGCTATGG
 CGTCATCATCTTGACGATGTCCACGAGAGAAGCTGGCGACTGACGTGTGCTCGGACTCCTTAAAGAT
 GTGCTGTGGCAAGACCAGAGCTGAAGCTCATAGTTAACTGCTCGCCTCTCTCACCAGTAACTCAGTT
 CCTACTATGGAGACGTGCCTGTATAGAAGTGAGAAATAAGCACCCGGTGGAGGTGGTGTACCTTAGTGG
 GGCTCAGAAGGATTCTTCGAGTCTGTACACGCTTATCTTTGAAATCCACCGCTCGGGTGAAGGGT
 GACGTTGTGGTCTTCTGGCCTGTGAACAAGATATTGAAAAACCTATGAACTTGTGTGTCAGGAAGGAT
 CCAACTTAAACCCAGATGTGGGCGACCTGGTGGTTCATCCCTTTGTATCCCAAAGAGAAGTGCAGCCTGTT
 CAGGCCAGTGGACGAAACCGAGAAAAGATGCCAAGTGTATCAGAGACGGGTGGTGTGCTGACCACAGCTGC
 GGGGAGTCTCTGATCTGGAGCCACACGGTCAAATTTGTATTGATGTTGGTCTGGAAAGAAGACAGGTAT
 ATAAACCCCGGATCAGAGCCAACCTCCCTGTCCTGCAGCCATCAGCAAAGCCAAGCAGAGATCCGGAA
 GCAGCTCCTCGGGTCTTCTCCCTCAGGAAAACCTTTCTGTCTGTACACTGAAGAATTTGCCTCCAAGAC
 ATGAGGCCCTTAAGCCAGCGGAAATGCAGGAAGCCAACCTGACTAGCATGGTGTCTTTCATGAAGAGGG
 TGGACATTGCAGGCCTGGGCCGCTGCGACTTCATGAACAGGCCAGCTCCAGAAAGCCTGATGCAGGCACT
 GGAAGATTTAGATTACCTGGCAGCCCTGGACAACGATGGGAATCTCTCTGAGTTTGAATCATCATGTCT
 GAGTTTCTCTGGATCCACAGCTCTCAAAGTCTATCTTAGCATCTGTGAATTTGACTGTGTAGACGAAA
 TGCTAACCATCGCTGCCATGGTAACAGCTCCAGTTGCTTTTGCACGTGCCTCATGGTGTGAGGAGGC
 TGCAGTGACTTGCTGGAAAACGTTCTTGCACCCGAAGGTGATCACTTTACGCTCATCAATGTCTACAAT
 GCCTACCAAGATACAGTTCTGAACTCTGCCAATGAACACTGTGTGGAGATGTGGTGTGACGATTGCTTCC
 TCAGCTGCTCTGCTCTCAGGATGGCAGAGCTTATCCGAGCAGAACTCTTAGAGATCATCAAGCGGATCGA
 GCTTCCCTATGCAGAGCCTGCCTTTGGCTCCAAGGAAAACGGGTTGAACATCAAGAAAGCGCTGCTCTCT
 GGGTACTTCATGCAGATTGCTCGGGATGTTGACGGGTGAGGTAACCTACTTGTGCTTACACATAAGCAGG
 TTGCTCAGCTGCATCCCTTATCAAGCTATTCATCACCAAGAAGATGCCCGAGTGGGTCCTTCCACCA
 GTTCAGCATATCTGAGAACAACTACATCAGGGTGCCTCCGAGTCTCCCTGAGCTATTTATGCAGCTG
 GTACCACAGTACTATTTAGTAACCTGCCTCCTAGTGAAGCAAGGACATCTACAGCAAGCTGCAGGCC
 ACCTACCCACAGAACTGTGAACAAGGACCAGGATGTGTGTGACAAGTGGCCAGATGCTACTGAGCAGAG
 ATGCACAATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210465 representing NM_133941
 Red=Cloning site Green=Tags(s)

MSSLREEMDEEELDHPNASPEKRYFPESLDSSDGEDEGLACEDLELNPFDGLPYSSRYKLLKEREELP
 IWKEKYSFMESLLQNQVVVVSGDSKCGKSSQVPQWCAEYCLSIHYQHGGVICTQAHKQTAVQLALRVADE
 MDVNIGHEVGYVIPPENCCTTETILRYCTDDMLQREMMSNPFLGSYGVIIIDDVHERSLATDVLLGLLKD
 VLLARPELKLIVNCSPLLTSKLSYYGDVPVIEVRNKHHPVEVVYLSGAQKDSFESVIRLIFEIHRSGEKG
 DVVVFLACEQDIEKTYELVCQEGSNLNPVGDVVIPLYPKEKCSLFRPVDTEKRCQVYQRRVLTSC
 GESLIWSHTVKFVIDVGLERRQVYNPRIRANSLVLQPISSQSAEIRKQLLGSSPSGKLFCLYTEEFASKD
 MRPLKPAEMQEANLTSMLVFMKRVDIAGLRCDFMNRPAPELSMQALELDYLAALDNDGNLSEFGIIMS
 EFLDLPQLSKSILASCEFDVDEMLTIAAMVTAPSCFLHVPHGAEAAVTCWKTFHPEGDHFTLINVYN
 AYQDVLNSANEHCVEMWCHDCFLSCSALRMADVIRAELEI IKRIELPYAEPAFGSKENGLNIKKALLS
 GYFMQIARDVDGSGNYLMLTHKQVAQLHPLSSYSITKKMPEWVLFHQFSISENNYIRVASAVSPELPMQL
 VPQYYFNSLPPSESKDILQQAAGHLPTETVNKDQDVCDKCPDATEQRCTIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

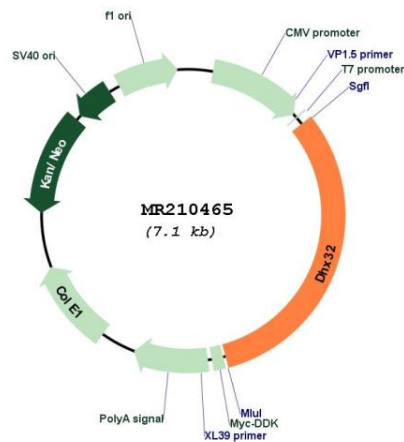
ACCN: NM_133941

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:	<ol style="list-style-type: none"> 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:	<u>NM_133941.2, NP_598702.1</u>
RefSeq Size:	2962 bp
RefSeq ORF:	2256 bp
Locus ID:	101437
UniProt ID:	<u>Q8BZS9</u>
Cytogenetics:	7 F3
MW:	84.8 kDa

Product images:


Circular map for MR210465