

Product datasheet for **MR226475**

Dhx15 (NM_007839) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx15 (NM_007839) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhx15
Synonyms:	DBP1; Ddx15; DEAH9; HRH2; mDEAH9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR226475 representing NM_007839
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAAGAGGCATCGTTGGACTGGGGAGGATTACCCCTCCGGCAAGAAGCGTGGGGGACCGATG
 GGAAAGACCGGGAACGAGATCGGGATAGAGAGGACCGATCTAAAGATCGTGACCGAGAACGTGATAGAGG
 AGACAGAGAACCGGAGAGGGAAAAAGAAAAAGAAAAAGAATTGAGAGCTTCCACCAATGCTATGCTTATC
 AGTGCTGGATTGCCACCTTTAAAAGCTTCTCATTAGCTCACTCAACCCACTCGGCTCATTCAACACATT
 CTACACATTCTGCCACTCAACACACACTGGACACACAGGACACACATCACTTCCACAGTGCATTAATCC
 ATTCACCAACCTGCCCATACTCCTCGATACTATGATATTCTAAAGAAACGACTTCAGCTCCCTGTATGG
 GAATAACAAGGATAGATTTACAGATATTCTTGTAGACATCAGTCAATTTGACTTGTGGTGAGACTGGGT
 CTGGTAAAACAACACAGATACCACAGTGGTGTGGAGTATATGCGATCCTTGCCAGGACCCAAAAGAGG
 AGTCGCCTGTACACAGCCAGGAGAGTGGCTGCAATGAGTGTGGCTCAGAGAGTTGCTGATGAGATGGAC
 GTGATGTTAGGCCAGGAAGTTGGATACTCCATTGATTGAAAGACTGCAGTAGTCAAAAACCATTTCTTA
 AGTATATGACTGACGGGATGCTACTTCTGTAAGCCATGAACGATCCCTTCTGGAGCGTTATGGTGTGAT
 AATTCTTGATGAGGCCATGAAAGAACATTGGCTACAGATATTCTCATGGGTGTTCTAAAGGAAGTTGTA
 AGACAGAGATCAGATTTAAAGGTTATAGTTATGAGTGTACCCAGTGTGGGAAATCCAGATTTACT
 TTGATAACTGTCCTCTTAACTATTCTGGCCGAACACATCCTGTTGAGATTTTTATACTCCAGAACC
 AGAGAGAGATTACTTGAAGCAGCAATTCGGACAGTGTCAAATACATATGTGTGAAGAGGAGGAAGGA
 GACCTTCTCTTTCTTGACTGGTCAAGAGGAAATGATGAGGCCTGAAGAGAATAAAGCGTGAAGTTG
 ATGATTTGGGCCCTGAAGTTGGTATTTAAATCATTCCATTATTCTACACTCCACCCAGCAGCAG
 ACAACGCATTTTTGAGCCACCACCTCCAAAAAACAGAATGGAGCAATTGGAAGAAAGGTTGGTGTCA
 ACTAATATTGCAGAGACCTTTTGACAATAGACGGTGTGGTGTGTAATTGACCCCTGGATTTGCAAAAC
 AAAAGGTATATAATCCTAGAATCAGAGTCGAGTCTCTTCTGGTACTGCCATTAGTAAAGCTTCAGTCA
 GCAAAGGGCGGGTCGAGCTGGACGGACCAGACCTGGGAAATGCTTCAGGCTTTATACAGAGAAAGCTTAT
 AAAACAGAAATGCAGGACAACACCTATCCTGAGATCCTGCGCTCTAACCTAGGATCGGTTGTTGCAGC
 TGAAGAAGCTTGGTATTGATGACTTGGTACACTTTGATTTATGGACCCACCAGCTCTGAAACTCTGAT
 GAGAGCCCTAGAATTTGAATTTGGCTGCTTTAAATGATGATGGAGATCTGACTGAATTGGGATCC
 ATGATGGCAGAGTCCCTTTAGATCCACAGCTCGCTAAAATGGTTATTGCAAGTTGTGACTACAAGTGT
 CTAAATGAGGTCTATCTATTACTGCTATGTTGTCAGTCCACAGTGTGTTGTTCCGCCACGGAGGCCAA
 GAAAGCTGCAGATGAGGCCAAGATGAGATTTGCCACATAGATGGAGATCATCTGACACTGCTGAATGTC
 TACCACGCTTTTAAACAAAATCATGAATCTGTTCAAGTGGTGTATGACAACCTCATTAACTACCGGTCCC
 TGATGTCTGCAGACAATGTACGCCAGCAGCTATCAAGAATTATGGACAGATTTAATTTGCCTCGTCGAAG
 TACTGATTTACAAGCAGGGACTATTATTAATAAAGAAAAGCTTTGGTTACTGGGTATTTTATGCAA
 GTGGCACATTTAGAACGAACGGGGCATTATTTAACTGTGAAAGATAACCAGGTGGTCCAGTTGCATCCCT
 CTACTGTGCTTGATCACAAGCTGAATGGGTGCTTTATAATGAGTTTGTGCTGACGACAAAGAATTATAT
 CCGGACATGTACAGATATCAAGCCAGAATGGTTGGTAAAATTGCCCTCAATATTATGACATGAGCAAT
 TTCCCACAGTGTGAAGCAAGAGACAGTTGGACCGCATTATTGCCAACTTCAATCCAAGGAATATTCAC
 AGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226475 representing NM_007839
Red=Cloning site Green=Tags(s)

MSKRHRLDLGEDYPSGKKRAGTDGKDREDRDRDREDRSKDRDRERDRGDREREREKEKEKELRASTNAMI
SAGLPPLKASHSAHSTHSAHSTHSTHSAHSTHTGHTGHTSLPQCINPFTNLPHTPRYYDILKKRLQLPVW
EYKDRFTDILVRHQSFVLVGETGSGKTTQIPQWCVEYMRSLPGPKRGVACTQPRRVAAMSVAQRVADEMD
VMLGQEVGYSIRFEDCSSAKTILKYMTDGMLLREAMNDPLLERYGVIIILDEAHERTLATDILMGVLKEVV
RQRSDLKVIVMSATLDAGKFIYFDNCPDLLTIPGRTHPVEIFYTPEPERDYLEAAIRTVIQIHMCEEEEG
DLLLLFLTGQEEIDEACKRIKREVDLGPVEVDIKIIPLYSTLPPQQQRIFEPKPKQNGAIGRKVVVS
TNIAETSLTIDGVVVIDPGFAKQKVYNPRIRVESLLVTAISKASAQQRAGRAGRTRPGKCFRLYTEKAY
KTEMQDNTYPEILRSNLGSVVLQLKKLGIDDLVHFDMDPPAPETLMRALELLNYLAALNDDGDLTELGS
MMAEFPLDPQLAKMVIASCDYNSNEVLSITAMLSVPQCFVRPTEAKKADEAKMRF AHIDGDHL TLLNV
YHAFKQNHESVQWCYDNFINYRSLMSADNVRQQLSRIMDRFNLPRRSTDFTSRDYYINIRKALVTGYFMQ
VAHLERTGHYLVTKDNQVVQLHPSTVL DHKPEWVLYNEFVLT TKNYIRTCTDIKPEWLVKIAPQYYDMSN
FPQCEAKRQLDRIIAKLQSKEYSQY

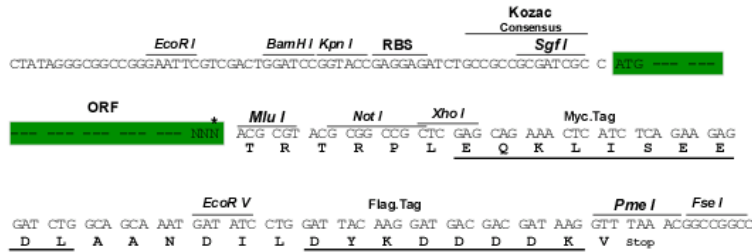
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1824_a02.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007839

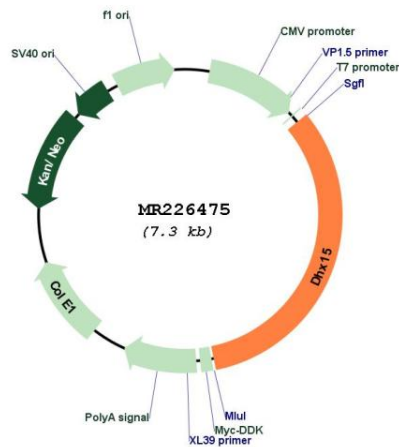
ORF Size: 2385 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_007839.3</u> , <u>NP_031865.2</u>
RefSeq Size:	3009 bp
RefSeq ORF:	2388 bp
Locus ID:	13204
UniProt ID:	<u>O35286</u>
Cytogenetics:	5 C1
MW:	91.5 kDa
Gene Summary:	Pre-mRNA processing factor involved in disassembly of spliceosomes after the release of mature mRNA. In cooperation with TFIP11 seem to be involved in the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient debranching and turnover of excised introns (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226475