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Product datasheet for MG226475

Dhx15 (NM_007839) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx15 (NM_007839) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhx15
Synonyms:	DBP1; Ddx15; DEAH9; HRH2; mDEAH9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG226475 representing NM_007839
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCAAGAGGCATCGGTTGGACCTGGGGGAGGATTACCCCTCCGGCAAGAAGCGTGCGGGGACCGATG
GGAAAGACCGGGAACGAGATCGGGATAGAGAGGACCGATCTAAAGATCGTGACCGAGAACGTGATAGAGG
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CTACACATTCTGCCCACTCAACACACACTGGACACACAGGACACACATCACTTCCACAGTGCATTAATCC
ATTCACCAACCTGCCCCATACTCCTCGATACTATGATATTCTAAAGAAACGACTTCAGCTCCCTGTATGG
GAATACAAGGATAGATTTACAGATATTCTTGTTAGACATCAGTCATTTGTACTTGTTGGTGAGACTGGGT
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AATTCTTGATGAGGCCCATGAAAGAACATTGGCTACAGATATTCTCATGGGTGTTCTAAAGGAAGTTGTA
AGACAGAGATCAGATTTAAAGGTTATAGTTATGAGTGCTACCCTAGATGCTGGGAAATTCCAGATTTACT
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TGAAGAAGCTTGGTATTGATGACTTGGTACACTTTGATTTTATGGACCCACCAGCTCCTGAAACTCTGAT
GAGAGCCCTAGAACTTTTGAATTATTTGGCTGCTTTAAATGATGATGGAGATCTGACTGAATTGGGATCC
ATGATGGCAGAGTTCCCTTTAGATCCACAGCTCGCTAAAATGGTTATTGCAAGTTGTGACTACAACTGTT
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CTACTGTGCTTGATCACAAGCCTGAATGGGTGCTTTATAATGAGTTTGTGCTGACGACAAAGAATTATAT
CCGGACATGTACAGATATCAAGCCAGAATGGTTGGTGAAAATTGCCCCTCAATATTATGACATGAGCAAT
TTCCCACAGTGTGAAGCAAAGAGACAGTTGGACCGCATTATTGCCAAACTTCAATCCAAGGAATATTCAC
AGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226475 representing NM_007839
Red=Cloning site Green=Tags(s)

MSKRHRLDLGEDYPSGKKRAGTDGKDRERDRDREDRSKDRDRERDRGDRERERERKEKEKELRASTNAMLI
SAGLPPLKASHSAHSTHSAHSTHSTHSAHSTHTGHTGHTSLPQCINPFTNLPHTPRYYDILKKRLQLPVW
EYKDRFTDILVRHQSFVLVGETGSGKTTQIPQWCVEYMRSLPGPKRGVACTQPRRVAAMSVAQRVADEMD
VMLGQEVGYSIRFEDCSSAKTILKYMTDGMLLREAMNDPLLERYGVIILDEAHERTLATDILMGVLKEVV
RQRSDLKVIVMSATLDAGKFQIYFDNCPLLTIPGRTHPVEIFYTPEPERDYLEAAIRTVIQIHMCEEEEG
DLLLFLTGQEEIDEACKRIKREVDDLGPEVGDIKIIPLYSTLPPQQQQRIFEPPPPKKQNGAIGRKVVVS
TNIAETSLTIDGVVFVIDPGFAKQKVYNPRIRVESLLVTAISKASAQQRAGRAGRTRPGKCFRLYTEKAY
KTEMQDNTYPEILRSNLGSVVLQLKKLGIDDLVHFDFMDPPAPETLMRALELLNYLAALNDDGDLTELGS
MMAEFPLDPQLAKMVIASCDYNCSNEVLSITAMLSVPQCFVRPTEAKKAADEAKMRFAHIDGDHLTLLNV
YHAFKQNHESVQWCYDNFINYRSLMSADNVRQQLSRIMDRFNLPRRSTDFTSRDYYINIRKALVTGYFMQ
VAHLERTGHYLTVKDNQVVQLHPSTVLDHKPEWVLYNEFVLTTKNYIRTCTDIKPEWLVKIAPQYYDMSN
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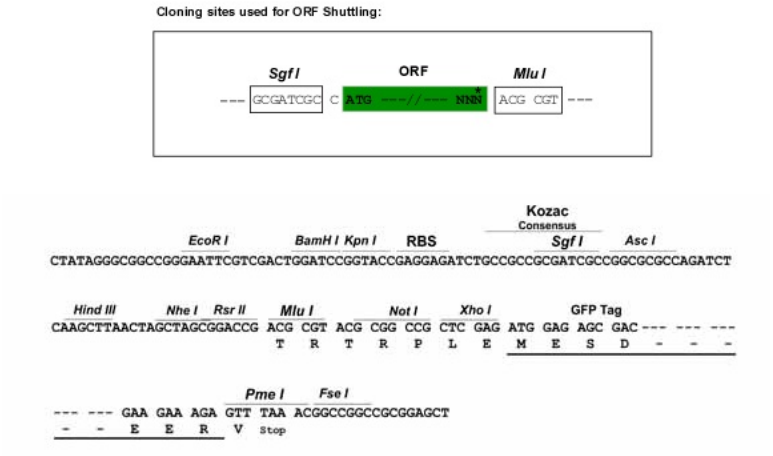
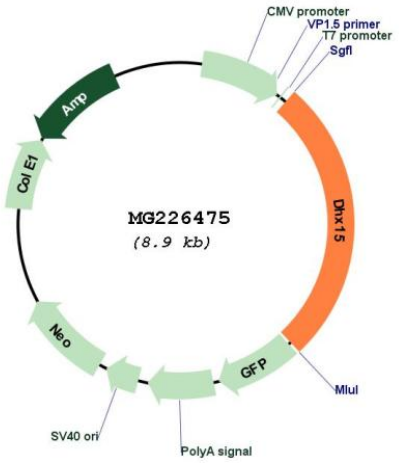
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	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_007839.3, NP_031865.2

RefSeq Size:	3009 bp
RefSeq ORF:	2388 bp
Locus ID:	13204
UniProt ID:	O35286
Cytogenetics:	5 C1
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]