

Product datasheet for **RG204467**

DHX30 (NM_138615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX30 (NM_138615) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHX30
Synonyms:	DDX30; NEDMIAL; RETCOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204467 representing NM_138615 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCAGCCTGGACTCATTAGAAAAGATCGGGCCAGCACAGGCAGCGTCAGTGCAAACCTCCCCAC
CCCGCCTTCCACCCATGTGTGTCAACCCCTACCCAGGAGGGACCCTCTCTCGAGCTTCTAGGGACCTATT
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AAAGACAACTAGTCTACGTGCACACAAATGGACCGAAGAAAAAGAAAGTCACTGCACATAAAATGGC
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CTGCCAGCTGTTCAAGGTTGGGGTCTGCTAGGTCGCCGGAATGAGTTGTTTGACGCAGCCAAATACCGA
GTGCTAGCTGATCGCTTTGGCTCCCTGCCGACAGCTGGTGGCGTCCGGAACCCACCATGCCCCCTACTT
CCTGGCGGCAGCTGAATCCAGAGAGTATTGACACAGGGGGACCTGGGGGCTATCCCGCTCTTTAGGCCG
GGAAGAAGAGGAGGACGAGGAGGAAGAGCTAGAAGAAGGGACCATAGATGTTACCGACTTCTTGTCCATG
ACCCAGCAGGATCCACGCTCCACTCAGGACTCAAGGGGGAGTTCTTTGAGATGACAGATGACGACA
GTGCCATTAGGGCTCTGACCCAGTTTCCACTTCCCAAGAACCTTCTGGCCAAGGTGATTCAGATTGCAAC
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CCTCGCCGCATCTCTGCTGTGTCTGTGGCACAGCGGGTCAGCCACGAACTGGGCCCTCCCTGCGCCGGA
ATGTGGGCTTCCAGGTGCGGTTGAAAGTAAGCCCCATCCCGAGGCGGGCCCTGCTCTTCTGCACTGT
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GCACGGGACGCTGCTTGCCTACTGGCAGAGCTGCTGCGAGGACCCTGTGGCAGCTTTGATGTGCGCAAG
ACAGCTGACGAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204467 representing NM_138615
 Red=Cloning site Green=Tags(s)

MFSLDSFRKDRAQHRQRQCKLPPPRLLPPMCVNPTPGGTISRASRDLLKEFPQPKNLLNSVIGRALGISHA
 KDKLVYVHTNGPKKKKVTLHIKWPKSVEVEGYGSKKIDAERQAAAAACQLFKGWGLLGPRLNFDAAYR
 VLADRFGSPADSWWRPEPTMPPTSWRQLNPESIRPGGPGLSRSLGEEEEEEEEEEEGTIDVTDFLSM
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 WRRRGPVWQEAPQLPVDPHRDTILNAIEQHPVVVISGDTGCGKTRIPQLLLERYVTEGRGARCNIITQ
 PRRISAVSVAQRVSHELGSLRRNVGFQVRLSEKPPSRGGALLFCVTGILLRKLQSNPSLEGVSHVIVDE
 VHERDVNTDFLLILLKGLQRLNLPALRLVLSATGDNERFSRYFGGCPVIKVPGFMYPKHEHYLEDILAKL
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 ILPVHSNIPMMDQKAIFQQPPVGVKIVLATNIAETSITINDIVHVVDSSGLHKEERYDLKTKVSCLETW
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 DSPNIKAVDEAVILLQEIGVLDQREYLTTLGQRLAHISTDPRLAKAIVLAAIFRCLHPLLVVVSLTRDP
 FSSSLQNRAEVDKVKALLSHDSGSDHLAFVRAVAGWEEVLRWQDRSSRENYLEENLLYAPSLRFIHGLIK
 QFSENIYEAFVKGPSDCTLASAQCNEYSEEEELVKGVLMAGLYPNLIQVRQGVTRQGKFKPNSVTYRT
 KSGNILLHKSTINREATRLRSRWLYTFMAVKNSGVSFVRDSSQVHPLAVLLLTDGDVHIRDDGRRATISL
 SDSDLLRLEGDSRTVRLKELRRALGRMVERSLRSELAALPPSVQEEHGQLLALLAELLRGPCGSFDVRK
 TADD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

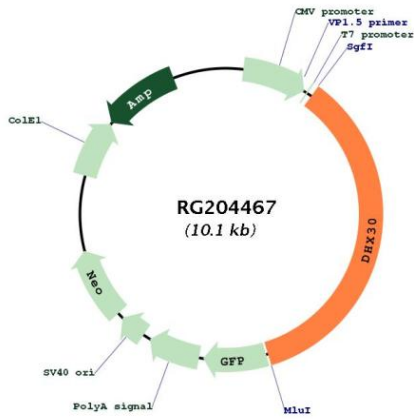


ACCN: NM_138615

ORF Size: 3582 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:	NM_138615.3
RefSeq Size:	3851 bp
RefSeq ORF:	3585 bp
Locus ID:	22907
UniProt ID:	Q7L2E3
Cytogenetics:	3p21.31
Domains:	DSRM, DEAD, helicase_C, HA2
Gene Summary:	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The family member encoded by this gene is a mitochondrial nucleoid protein that associates with mitochondrial DNA. It has also been identified as a component of a transcriptional repressor complex that functions in retinal development, and it is required to optimize the function of the zinc-finger antiviral protein. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2013]

Product images:



Circular map for RG204467