

Product datasheet for **RG214668**

DHX35 (NM_021931) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX35 (NM_021931) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHX35
Synonyms:	C20orf15; DDX35; KAIA0875
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG214668 representing NM_021931
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGCGCCCCGTGGGACCGGTGAAGTTCTGGCGACCCGGTACAGAGGGGCCAGGTGTAAGCATCTCTG
 AAGAGAGACAAAGTCTGGCTGAAAACCTCTGGGACAACGGTTGTTTACAACCCCTTATGCTGCCCTTTCCAT
 AGAGCAGCAGAGGCAGAAAGCTGCCGGTATTCAAGCTTAGGAATCATATTTTATACTTGATAGAAAATTAT
 CAGACAGTGGTGATTGTTGGTGAACAGGATGTGGGAAGAGCACACAGATTCTCAGTACCTTGACAGAAG
 CCGGCTGGACAGCTGAAGGAAGAGTGGTAGGAGTGACCCAGCCTCGAAGAGTGGCTGCTGTTACAGTTGC
 AGGGAGAGTAGCTGAAGAAAGGGTGCAGTGTGGGCCACGAGGTGGGCTACTGCATCCGCTTTGATGAC
 TGCACCGACCACTGGCCACGAGAATTAAGTTTCTTACTGATGGAATGCTGGTCAGGGAAATGATGGTTG
 ATCCGTTGTAAACAAAATATAGTGCATCATGCTGGATGAAGCCACGAGAGGACCTTGACACTGACAT
 TGCCATTGGCTTGCTAAAAAAGATTGAGAAAAAGCGAGGGGATCTTCGATTGATTGTAGCTTCAGCCACT
 CTGGATGCAGACAAATCCGGGATTTCTTAATCAAAATGAAACCAAGTATCCAGCAAGGGATACATGTG
 TGATCCTTACAGTGGAAGGGAGAACATTTCCGGTGGATATCTTTTATCTACAAAGTCTGTTCCAGATTA
 TATCAATCAACTGTGCAAACTGTGGTGAAAATTCACCAGACAGAGGGAGACGGAGACGTTTTAGCATTT
 CTTACTGGCCAGGAAGAGGTAGAACTGTTGTGTCGATGCTCATCGAGCAGGCTCGAGCACTAGCTCGCA
 CTGGGATGAAGAGACACCTCCGAGTTCTCCCATGTATGCAGGACTGCCTTCCTTTGAGCAAAATGAAAGT
 GTTTGAAAGGGTGTACGCAGTGTGAGAAAGGTGATAGTGGCCACCAATGTGGCAGAAACCTCTATCACA
 ATCAGCGGCATTGTGTATGTGATCGACTGTGGCTTTGTGAAACTCCGAGCCTACAATCCCAGGACAGCTA
 TTGAATGCTTGGTGGTGGTGGCAGTCTCCAGGCATCAGCTAATCAGCGAGCAGGACGTGGTGGTCGTAG
 TCGCTCGGGAAAAATGTTATCGCCTTTATACAGAGGAAGCCTTTGACAAGTTGCCTCAGTCTACGGTTCTCT
 GAGATGCAGCGTAGTAATTTGGCACCTGTCTGCTGAGCTGAAAGCACTAGGAATTGACAATGTCTCA
 GGTTCCACTTCATGTGCCCCCTCCAGCACAGTCGATGGTTCAAGCCTTGAGATTACTGTATGCTCTGGG
 AGGTCTGGACAAAGACTGTGCTTAACCTGAACCGCTTGGCATGAGAATTGCAGAGTTTCCTTTGAATCCC
 ATGTTTGCCAAAATGCTGCTTGAATCAGGAACTTCGGCTGTTCTCAGGAAATCTAAGCATCGTGCCA
 TGATGCAGATCCAGAATATCTTTGGTCCCCCAAACAGAGTCTCACGCAATTCGAGTGCACCGTAA
 ATTTGCTGTGGAGGAGGCGACCACTCACTATGCTCAATATATGAAGCATTATCAACACAATAAG
 GACTCTAAATGGTGTGAGGAACATTTCTGAATTACAAGGTCTTGTGAGAGCTGCGACTGTAAGAGAAC
 AATTGAAAAAGCTTCTTGTCAAGTTTCAAGTGCCAGGAAGTCTAGTGAAGGTGACCCGGATCTGGTTCT
 GAGGTGCATTGTCTCCGCTTCTTCGCCAATGCAGCGAGGTTTCTTCTACTGGAGCTTATAGGACCATC
 CGTGATGACCATGAGCTGCACATACACCTGCGTCAGTCTCTATGCAGAGAAGCCGCTCGCTGGGTCA
 TCTATAACGAAGTTATACAGACCTCCAAGTACTACATGAGAGATGTGACTGCCATTGAATCGGCCTGGCT
 GTTGGAGCTGGCTCCACACTTTTATCAACAAGGAACGCACCTGTCTCTGAAAGCCAAAAGGGCCAAGGTC
 CAGGACCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214668 representing NM_021931
 Red=Cloning site Green=Tags(s)

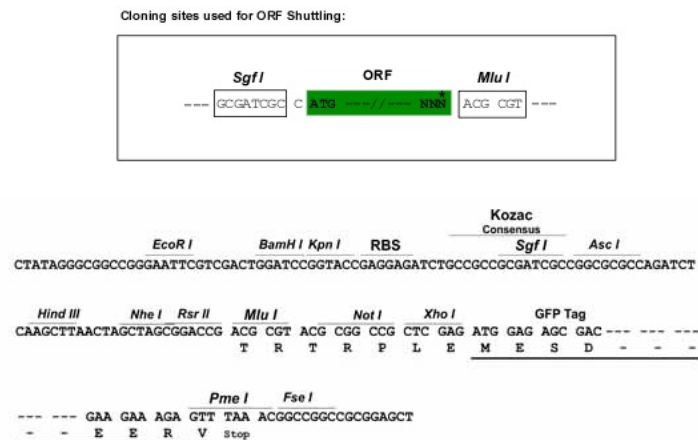
MAAPVGPVKFWRPGTEPGVSISEERQSLAENSGTTVVYNPYAALSIEQQRQKLPVFKLRNHILYLIENY
 QTVVIVGETGCGKSTQIPQYLAAGWTAEGRVVGTQPRRVAAVTVAGRVAEERGAVLGHEVGYCIRFDD
 CTDQLATRIKFLTDGMLVREMMVDPLLTKYSVIMLDEAHERTLYTDIAIGLLKKIQKKRGDLRLIVASAT
 LDADKFRDFFNQNETSDPARDTCVILTVEGRTFPVDIFYLQSPVPDYIKSTVETVVKIHQTEGDGDLAF
 LTGQEEVETVVSMLIEQARALARTGMKRHLRVLPYAGLPSFEQMKVFERVSRVSRKVIVATNVAETSIT
 ISGIVYVIDCGFVKLRAYNPRTAIECLVVVPVSQASANQRAGRGGRSRSGKCYRLYTEEAFDKLPQSTVP
 EMQRSNLAPVILQLKALGIDNVLRFHFMSPPPAQSMVQALELLYALGGLDKDCRLTEPLGMRIAEFPLNP
 MFAKMLLESGNFGCSQEILSIAAMMIQNIFFVPPNQKSHAIRVHRKFAVEEGDHLTMLNIYEAFIKHNK
 DSKWCQEHLNKGKLVRAATVREQLKLLVKFQVPRKSSEGDPLVLRICIVSGFFANAARFHSTGAYRTI
 RDDHELHIHPASVLYAEKPPRWVIYNEVIQTSKYMRDVTATIESAWLLELAPHFYQQGTHLSLKAKRAKV
 QDP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_021931

ORF Size: 2109 bp

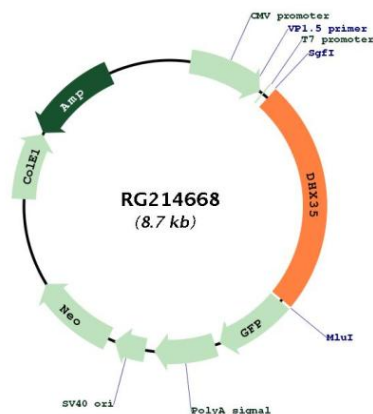
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_021931.4</u>
RefSeq Size:	3316 bp
RefSeq ORF:	2112 bp
Locus ID:	60625
UniProt ID:	<u>Q9H5Z1</u>
Cytogenetics:	20q11.23-q12
Domains:	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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The function of this gene product which is a member of this family, has not been determined. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2010]

Product images:



Circular map for RG214668