

Product datasheet for **RG231366**

DHX35 (NM_001190809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX35 (NM_001190809) 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:

>RG231366 representing NM_001190809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGCCCGTGGGACCGGTGAAGTCTGGCGACCCGGTACAGAGGGGCCAGGTGTAAGCATCTCTG
 AAGAGAGACAAAGTCTGGCTGAAAACCTCTGGGACAACGGTTGTTTACAACCCTTATGCTGCCCTTCCAT
 AGAGCAGCAGAGGCAGAAGCTGCCGGTATTCAAGTACCTTGACAGAAGCCGGCTGGACAGCTGAAGGAAGA
 GTGGTAGGAGTGACCCAGCCTCGAAGAGTGGTCTGTTACAGTTGCAGGGAGAGTAGCTGAAGAAAGGG
 GTGCAGTCTGGGCCACGAGGTGGGCTACTGCATCCGCTTTGACTGCACCGACCAGCTGGCCACGAG
 AATTAAGTTTCTACTGATGGAATGCTGGTCAGGGAAATGATGGTTGATCCGTTGTTAACAAAATATAGT
 GTCATCATGCTGGATGAAGCCACGAGAGGACCTGTACACTGACATTGCCATTGGCTTGTAAAAAAGA
 TTCAGAAAAAGCGAGGGGATCTTCGATTGATTGTAGCTTCAGCCACTCTGGATGCAGACAAATCCGGGA
 TTTCTTTAATCAAATGAAACCAGTGTCCAGCAAGGGATACATGTGTGATCCTTACAGTGAAGGGAGA
 ACATTTCCGGTGGATATCTTTTATCTACAAAGTCTGTTCCAGATTATATCAAATCAACTGTCGAAACTG
 TGGTGAATAATACCAGACAGAGGGAGACGGAGACGTTTTAGCATTCTTACTGGCCAGGAAGAGGTAGA
 AACTGTTGTGTCGATGCTCATCGAGCAGGCTCGAGCACTAGCTCGCACTGGGATGAAGAGACACCTCCGA
 GTTCTCCCATGTATGCAGGACTGCCTTCTTTGAGCAAATGAAAGTGTGAAAGGGTGTACCGCAGTG
 TCAGAAAGGTGATAGTGGCCACCAATGTGGCAGAAACCTATACAAATCAGCGGCATTGTGTATGTGAT
 CGACTGTGGCTTTGTGAAACTCCGAGCCTACAATCCAGGACAGCTATTGAATGCTTGGTGGTGGTGCCA
 GTCTCCAGGCATCAGCTAATCAGCGAGCAGGACGTGGTGGTGTAGTCGCTCGGAAAAATGTTATCGCC
 TTTATACAGAGGAAGCCTTTGACAAGTTGCCTCAGTCTACGGTTCCTGAGATGCAGCGTAGTAATTTGGC
 ACCTGTCATCCTGCAGCTGAAAGCACTAGGAATTGACAATGTCCCTCAGGTTCCACTTCATGTCGCCCCCT
 CCAGCACAGTCGATGGTTCAAGCCTTGGAGTACTGTATGCTCTGGGAGGTCTGGACAAAGACTGTCGCC
 TAACTGAACCGCTTGGCATGAGAATTGCAGAGTTTCTTTGAATCCCATGTTTGCCAAAATGCTGCTTGA
 ATCAGGAAACTTCGGCTGTTCTCAGGAAATCTAAGCATCGCTGCCATGATGCAGATCCAGAATATCTTT
 GTGGTCCCCCAAACCAGAAGTCTCACGCAATTCGAGTGCACCGTAAATTTGCTGTGGAGGAGGGCGACC
 ACCTCACTATGCTCAATATATGAAGCATTTATCAAACACAATAAGGACTCTAATGGTGTGAGGAACA
 TTTCTGAATTACAAGGGTCTTGTGAGAGCTGCGACTGTAAAGAGAACAATTGAAAAAGCTTCTTGTCAAG
 TTTCAAGTGCCAGGAAGTCTAGTGAAGGTGACCCGGATCTGGTCTGAGGTGCATTGTCTCCGGCTTCT
 TCGCCAATGCAGCGAGGTTTCATTCTACTGGAGCTTATAGGACCATCCGTGATGACCATGAGCTGCACAT
 ACACCTGCGTCACTCTATGCAGAGAAGCCGCTCGCTGGGTGATCTATAACGAAGTTATACAGACC
 TCCAAGTACTACATGAGAGATGTGACTGCCATTGAATCGGCTGGCTGTTGGAGCTGGCTCCACACTTTT
 ATCAACAAGGAACGCACCTGTCTCTGAAAGCCAAAAGGGCCAAGGTCCAGGACCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231366 representing NM_001190809
Red=Cloning site Green=Tags(s)

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MAAPVGPVKFWRPGTEGPGVSISEERQSLAENSGTTVVYNPYAALSIEQQRQKLPVFKYLAEGWTAEGR
VVGVTQPRRVAAVTVAGRVAEERGAVLGHEVGYCIRFDDCTDQLATRIKFLTDGMLVREMMVDPLLTKYS
VIMLDEAHERTLYTDIAIGLLKKIQKKRGDLRLIVASATLDADKFRDFFNQNETSDPARDTCVILTVEGR
TFPVDFIFYLQSPVPDYIKSTVETVVKIHQTEGDGDLAFLTGQEEVETVVSMLIEQARALARTGMKRHLR
VLPMYAGLPSFEQMKVFERVSRVSRKVIIVATNVAETSITISGIVYVIDCGFVKLRAYNPRTAIECLVVVP
VSQASANQRAGRGRSRSGKCYRLYTEEAFDKLPQSTVPEMQRSNLAPVILQLKALGIDNVLRHFHMSPP
PAQSMVQALELLYALGGLDKDCRLTEPLGMRIAEFPLNPMFAKMLLESGNFGCSQEILSIAAMMQIQNIF
VVPNQKSHAIRVHRKFAVEEGDHLTMLNIYEAFIGKHNKDSKWCQEHFLNYKGLVRAATVREQLKLLVK
FQVPRKSEGDVLDLRCIVSGFFANAARFHSTGAYRTIRDDHELHIHPASVLYAEKPPRWVIYNEVIQT
SKYYMRDVTAIESAWLLELAPHFYQQGTHLSLKAKRAKRVQDP
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190809

ORF Size: 2016 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.

RefSeq: [NM_001190809.2](#)

RefSeq Size: 3243 bp

RefSeq ORF: 2019 bp

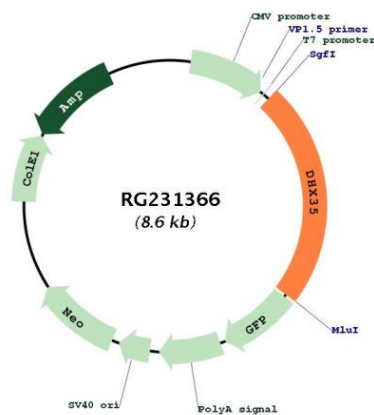
Locus ID: 60625

UniProt ID: [Q9H5Z1](#)

Cytogenetics: 20q11.23-q12

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 RG231366