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Product datasheet for RC231366

DHX35 (NM_001190809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX35 (NM_001190809) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHX35
Synonyms:	C20orf15; DDX35; KAIA0875
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC231366 representing NM_001190809
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGCCCGTGGGACCGGTGAAGTTCTGGCGACCCGGTACAGAGGGGCCAGGTGTAAGCATCTCTG
AAGAGAGACAAAGTCTGGCTGAAAACTCTGGGACAACGGTTGTTTACAACCCTTATGCTGCCCTTTCCAT
AGAGCAGCAGAGGCAGAAGCTGCCGGTATTCAAGTACCTTGCAGAAGCCGGCTGGACAGCTGAAGGAAGA
GTGGTAGGAGTGACCCAGCCTCGAAGAGTGGCTGCTGTTACAGTTGCAGGGAGAGTAGCTGAAGAAAGGG
GTGCAGTGCTGGGCCACGAGGTGGGCTACTGCATCCGCTTTGATGACTGCACCGACCAGCTGGCCACGAG
AATTAAGTTTCTTACTGATGGAATGCTGGTCAGGGAAATGATGGTTGATCCGTTGTTAACAAAATATAGT
GTCATCATGCTGGATGAAGCCCACGAGAGGACCTTGTACACTGACATTGCCATTGGCTTGCTAAAAAAGA
TTCAGAAAAAGCGAGGGGATCTTCGATTGATTGTAGCTTCAGCCACTCTGGATGCAGACAAATTCCGGGA
TTTCTTTAATCAAAATGAAACCAGTGATCCAGCAAGGGATACATGTGTGATCCTTACAGTGGAAGGGAGA
ACATTTCCGGTGGATATCTTTTATCTACAAAGTCCTGTTCCAGATTATATCAAATCAACTGTCGAAACTG
TGGTGAAAATTCACCAGACAGAGGGAGACGGAGACGTTTTAGCATTTCTTACTGGCCAGGAAGAGGTAGA
AACTGTTGTGTCGATGCTCATCGAGCAGGCTCGAGCACTAGCTCGCACTGGGATGAAGAGACACCTCCGA
GTTCTCCCCATGTATGCAGGACTGCCTTCCTTTGAGCAAATGAAAGTGTTTGAAAGGGTGTCACGCAGTG
TCAGAAAGGTGATAGTGGCCACCAATGTGGCAGAAACCTCTATCACAATCAGCGGCATTGTGTATGTGAT
CGACTGTGGCTTTGTGAAACTCCGAGCCTACAATCCCAGGACAGCTATTGAATGCTTGGTGGTGGTGCCA
GTCTCCCAGGCATCAGCTAATCAGCGAGCAGGACGTGGTGGTCGTAGTCGCTCGGGAAAATGTTATCGCC
TTTATACAGAGGAAGCCTTTGACAAGTTGCCTCAGTCTACGGTTCCTGAGATGCAGCGTAGTAATTTGGC
ACCTGTCATCCTGCAGCTGAAAGCACTAGGAATTGACAATGTCCTCAGGTTCCACTTCATGTCGCCCCCT
CCAGCACAGTCGATGGTTCAAGCCTTGGAGTTACTGTATGCTCTGGGAGGTCTGGACAAAGACTGTCGCC
TAACTGAACCGCTTGGCATGAGAATTGCAGAGTTTCCTTTGAATCCCATGTTTGCCAAAATGCTGCTTGA
ATCAGGAAACTTCGGCTGTTCTCAGGAAATTCTAAGCATCGCTGCCATGATGCAGATCCAGAATATCTTT
GTGGTCCCCCCAAACCAGAAGTCTCACGCAATTCGAGTGCACCGTAAATTTGCTGTGGAGGAGGGCGACC
ACCTCACTATGCTCAATATATATGAAGCATTTATCAAACACAATAAGGACTCTAAATGGTGTCAGGAACA
TTTCCTGAATTACAAGGGTCTTGTCAGAGCTGCGACTGTAAGAGAACAATTGAAAAAGCTTCTTGTCAAG
TTTCAAGTGCCCAGGAAGTCTAGTGAAGGTGACCCGGATCTGGTTCTGAGGTGCATTGTCTCCGGCTTCT
TCGCCAATGCAGCGAGGTTTCATTCTACTGGAGCTTATAGGACCATCCGTGATGACCATGAGCTGCACAT
ACACCCTGCGTCAGTCCTCTATGCAGAGAAGCCGCCTCGCTGGGTCATCTATAACGAAGTTATACAGACC
TCCAAGTACTACATGAGAGATGTGACTGCCATTGAATCGGCCTGGCTGTTGGAGCTGGCTCCACACTTTT
ATCAACAAGGAACGCACCTGTCTCTGAAAGCCAAAAGGGCCAAGGTCCAGGACCCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231366 representing NM_001190809
Red=Cloning site Green=Tags(s)

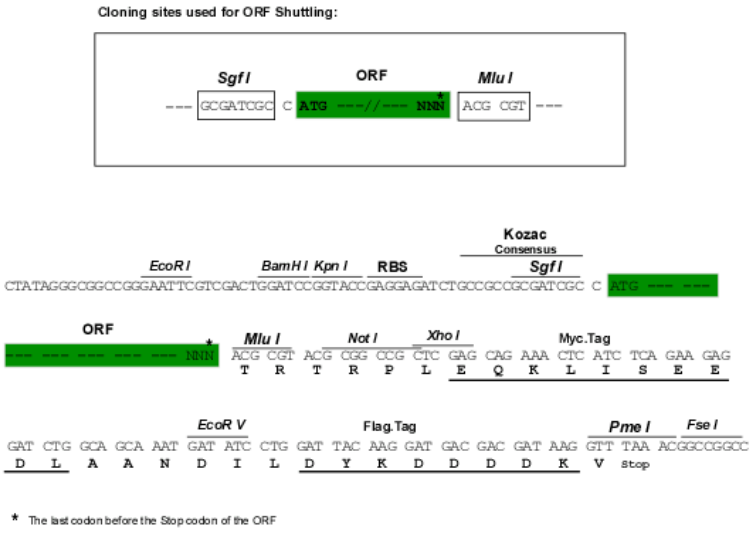
MAAPVGPVKFWRPGTEGPGVSISEERQSLAENSGTTVVYNPYAALSIEQQRQKLPVFKYLAEAGWTAEGR
VVGVTQPRRVAAVTVAGRVAEERGAVLGHEVGYCIRFDDCTDQLATRIKFLTDGMLVREMMVDPLLTKYS
VIMLDEAHERTLYTDIAIGLLKKIQKKRGDLRLIVASATLDADKFRDFFNQNETSDPARDTCVILTVEGR
TFPVDIFYLQSPVPDYIKSTVETVVKIHQTEGDGDVLAFLTGQEEVETVVSMLIEQARALARTGMKRHLR
VLPMYAGLPSFEQMKVFERVSRSVRKVIVATNVAETSITISGIVYVIDCGFVKLRAYNPRTAIECLVVVP
VSQASANQRAGRGGRSRSGKCYRLYTEEAFDKLPQSTVPEMQRSNLAPVILQLKALGIDNVLRFHFMSPP
PAQSMVQALELLYALGGLDKDCRLTEPLGMRIAEFPLNPMFAKMLLESGNFGCSQEILSIAAMMQIQNIF
VVPPNQKSHAIRVHRKFAVEEGDHLTMLNIYEAFIKHNKDSKWCQEHFLNYKGLVRAATVREQLKKLLVK
FQVPRKSSEGDPDLVLRCIVSGFFANAARFHSTGAYRTIRDDHELHIHPASVLYAEKPPRWVIYNEVIQT
SKYYMRDVTAIESAWLLELAPHFYQQGTHLSLKAKRAKVQDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8072_c12.zip

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 ORF: 2019 bp

Locus ID: 60625

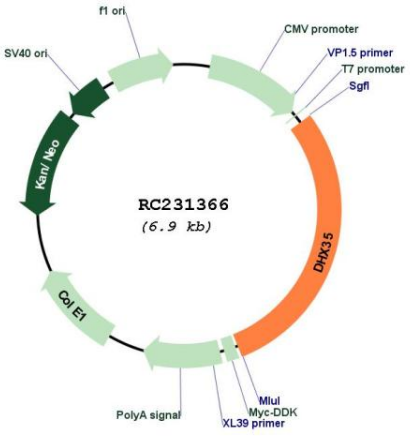
UniProt ID: Q9H5Z1

Cytogenetics: 20q11.23-q12

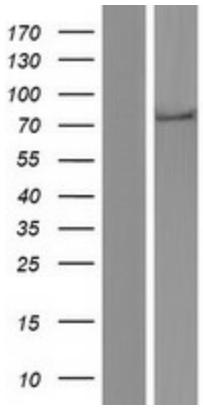
MW: 75.9 kDa

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 RC231366



Western blot validation of overexpression lysate (Cat# [LY434365]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231366 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).