

Product datasheet for **RG206085**

DDX55 (NM_020936) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX55 (NM_020936) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206085 representing NM_020936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCATGTGACAGAGGGCTCCTGGGAGTCGCTGCCTGTGCCGCTGCACCCGAGGTGCTGGGCGCGC
 TCGGGGAGCTGGGCTTCCCGTACATGACGCCGGTGCAGTCCGCAACCATCCCTCTGTTTCATGCGAAACAA
 AGATGTCGCTGCAGAAGCGGTACAGGTAGTGGCAAAACACTCGCTTTTGTATCCCATCTCTGAAATT
 CTTCTGAGAAGAGAAGAGAAGTTAAAAAGAGTCAAGTTGGAGCCATAATCATCACCCCCACTCGAGAGC
 TGGCCATTCAAATAGACGAGGTCTGTCGATTTACGAAGCACTTCCCGAGTTCAGCCAGATTCTTTG
 GATCGGAGGCAGGAATCCTGGAGAAGATGTTGAGAGGTTTAAGCAACAAGGTGGGAACATCATTGTGGCC
 ACTCCAGGCCGCTTGGAGGACTTGTCCGAGGAAGGCCGAAGGCTTGGATCTGGCCAGCTGTGTGCGAT
 CCCTGGATGTCCTGGTGTGGATGAGGCAGACAGACTTCTGGACATGGGTTTGGAGCAAGCATCAACAC
 CATTCTGGAGTTTTTGCCTAAAGCAGAGGAGAAGAGGCTTTTCTCTGCCACTCAGACGCAGGAAGTGGAG
 AACCTGGTGAGAGCGGGCTCCGGAACCTGTCCGGGTCTCAGTGAAGGAGAAGGGCGTGGCAGCCAGCA
 GTGCCCAGAAGACCCCTCCCGCTGGAAGAACTACTACATGGTATGCAAGGCAGATGAGAAATTTAATCA
 GCTGGTCCATTTCTTCGAATCATAAGCAGGAGAAACACCTGGTCTTCTTCAGCACCTGTGCCTGTGTG
 GAATACTATGGGAAGACTCTGGAAGTGTGGTGAAGGGCGTGAAGATTATGTGCATTACGGAAGATGA
 AATATAACGCAATAAGATCTTCATGGAGTTCGCAAAATTGCAAGTGGGATTTTAGTGTGCACTGATGT
 GATGGCCCGGGGAATTGATATTCCTGAAGTCAACTGGGTTTGCAGTATGACCTCCAGCAATGCAAGT
 GCCTTCGTGCATCGCTGCGGTGCGACAGCTCGCATTGGCCACGGGGCAGCGCTCTGGTGTTCCTCTGC
 CCATGGAAGAGTCATACATCAATTTCTTGAATTAACCAAAAATGCCCTGCAGGAGATGAAGCCCCA
 GAGAAACACAGCGGACCTTCTGCCAAAACCAAGTCCATGGCCCTGGCTGACAGAGCTGTGTTTGAAAAG
 GGCATGAAAGCTTTTGTGCATATGTCCAGCTTATGCAAGCATGAATGCAACCTGATTTTCAGATTAA
 AGGATCTTGATTTTGCCAGCCTTGCTCGAGGTTTTGCCCTGTGAGGATGCCAAGATGCCAGAATTGAG
 AGGGAAGCAGTTTCCAGATTTTGTGCCGTGGACGTTAATACGACACGATTCCATTTAAAGATAAAATC
 AGAGAAAAGCAGAGGCAGAACTCCTGGAGCAACAAAGAGAGAGAAAACAGAAATGAAGGAGAGAGAA
 AATTCATAAAAAATAAGCTTGGTCAAAGCAGAGGCCAAAAAGAAAAGAAAAAATGAATGAGAA
 AAGGAAAAGGGAAGGGTTCTGATATTGAAGATGAGGACATGGAAGAACTTCTTAATGACACAAGACTC
 TTGAAAAAATTAAGAAAGGCAAAATACTGAAGAAGATTTGAGAAGGGCTTGTGACAACTGGCAAAA
 GAACAATCAAGACAGTGGATTTAGGGATCTCAGATTTGGAAGATGGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

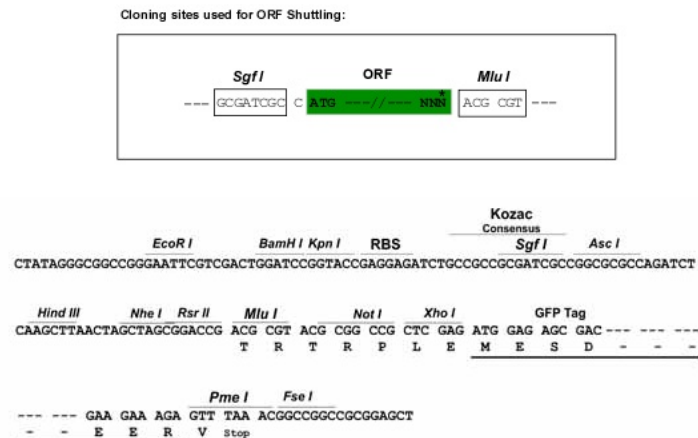
>RG206085 representing NM_020936
 Red=Cloning site Green=Tags(s)

MEHVTEGSWESLPVPLHPQVLGALRELGFPMTPVQSATIPLMRNKDVAEAVTGSGKTLAFVIPILEI
 LLRREEKLKKSQVGAIITPTRELAIQIDEVLSHFTKHFPEFSQILWIGGRNPGEDVERFKQGGNIIVA
 TPGRLDLFRRKAEGDLASCVRSLDVLVLDEADRLDMGFEASINTILEFLPKQRRTGFSATQTQVEVE
 NLVRAGLRNPVRVSVKEKGVAASSAQKTPSRLENYYMVCKADEKFNQLVHFLRNHKQEKHLVFFSTCACV
 EYYGKTLVLVKGVKIMCIHGKMKYKRNKIFMEFRKLQSGILVCTDVMARGIDIPEVNWVLQYDPPSNAS
 AFVHRCGR TARIGHGGSALVFLPMEESYINFLAINQKCPLQEMKQPRNTADLLPKLKSMAADRAVFEK
 GMKAFVSYVQAYAKHECNLIFRLKDLDFASLARGFALLRMPKMPELRGKQFPDFVPVDVNTDTIPFKDKI
 REKQRQLLEQRRREKTENEGRRKFINKAWSKQKAKKEKKKKMNEKRKREEGSDIEDMEELLNDTRL
 LKLLKKGKITEEFKGLLTGKRTIKTVDLGISDLEDGC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_020936

ORF Size: 1800 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: [NM_020936.1](#), [NP_065987.1](#)

RefSeq Size: 2638 bp

RefSeq ORF: 1803 bp

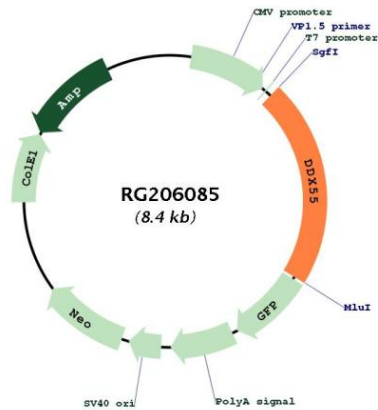
Locus ID: 57696

UniProt ID: [Q8NHQ9](#)

Cytogenetics: 12q24.31

Gene Summary: This gene encodes a member of protein family containing a characteristic Asp-Glu-Ala-Asp (DEAD) motif. These proteins are putative RNA helicases, and may be involved in a range of nuclear processes including translational initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Multiple alternatively spliced transcript variants have been found for this gene. Pseudogenes have been identified on chromosomes 1 and 12. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG206085