

Product datasheet for **RC206085**

DDX55 (NM_020936) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX55 (NM_020936) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DDX55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206085 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCATGTGACAGAGGGCTCCTGGGAGTCGCTGCCTGTGCCGCTGCACCCGAGGTGCTGGGCGCGC
 TCGGGGAGCTGGGCTTCCCGTACATGACGCCGGTGCAGTCCGCAACCATCCCTCTGTTTCATGCGAAACAA
 AGATGTCGCTGCAGAAGCGGTACAGGTAGTGGCAAAACACTCGCTTTTGTATCCCATCTCTGAAATT
 CTTCTGAGAAGAGAAGAGAAGTTAAAAAGAGTCAAGTTGGAGCCATAATCATCACCCCCACTCGAGAGC
 TGGCCATTCAAATAGACGAGGTCTGTGCGATTTACGAAGCACTTCCCGAGTTTCAGCCAGATTCTTTG
 GATCGGAGGCAGGAATCCTGGAGAAGATGTTGAGAGGTTTAAGCAACAAGGTGGGAACATCATTGTGGCC
 ACTCCAGGCCGCTTGGAGGACTTGTCCGAGGAAGGCCGAAGGCTTGGATCTGGCCAGCTGTGTGCGAT
 CCCTGGATGTCCTGGTGTGGATGAGGCAGACAGACTTCTGGACATGGGTTTGGAGCAAGCATCAACAC
 CATTCTGGAGTTTTTGCAGAACGAGGAGAACAGGCCTTTTCTCTGCCACTCAGACGCAGGAAGTGGAG
 AACCTGGTGAGAGCGGGCTCCGGAACCTGTCCGGGTCTCAGTGAAGGAGAAGGCGTGGCAGCCAGCA
 GTGCCCAGAAGACCCCTCCCGCTGGAAGAACTACTACATGGTATGCAAGGCAGATGAGAAATTTAATCA
 GCTGGTCCATTTCTTCGAATCATAAGCAGGAGAAACACCTGGTCTTCTTCAGCACCTGTGCCTGTGTG
 GAATACTATGGGAAGACTCTGGAAGTGTGGTGAAGGGCGTGAAGATTATGTGCATTACGGAAGATGA
 AATATAACGCAATAAGATCTTCATGGAGTTCGCAAAATTGCAAGTGGGATTTTAGTGTGCACTGATGT
 GATGGCCCGGGAATTGATATTCCTGAAGTCAACTGGGTTTGCAGTATGACCCTCCAGCAATGCAAGT
 GCCTTCGTGCATCGCTGCGGTGCGACAGCTCGCATTGGCCACGGGGCAGCGCTCTGGTGTCTCTCTGC
 CCATGGAAGAGTCATACATCAATTTCTTGCAATTAACCAAAATGCCCTGCAGGAGATGAAGCCCCA
 GAGAAACACAGCGGACCTTCTGCCAAACTCAAGTCCATGGCCCTGGCTGACAGAGCTGTGTTTGAAGAG
 GGCATGAAAGCTTTTGTGTATGTCCAGCTTATGCAAGCATGAATGCAACCTGATTTTCAGATTAA
 AGGATCTTGATTTTGCAGCCTTGTCTGAGGTTTTGCCCTGTGAGGATGCCAAGATGCCAGAATTGAG
 AGGGAAGCAGTTTCCAGATTTTGTGCCGTGGACGTTAATACCGACAGATTCCATTTAAAGATAAAATC
 AGAGAAAAGCAGAGGCAGAACTCCTGGAGCAACAAAGAGAGAGAAAACAGAAATGAAGGAGAGAA
 AATTCATAAAAAATAAGCTTGGTCAAAGCAGAGGCCAAAAAGAAAAGAAAAAATGAATGAGAA
 AAGGAAAAGGGAAGGGTTCTGATATTGAAGATGAGGACATGGAAGAACTTCTTAATGACACAAGACTC
 TTGAAAAAATTAAGAAAGGCAAAATACTGAAGAAGATTTGAGAAGGGCTTGTGACAACTGGCAAAA
 GAACAATCAAGACAGTGGATTTAGGGATCTCAGATTTGAAGATGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206085 protein sequence
 Red=Cloning site Green=Tags(s)

MEHVTEGSWESLPVPLHPQVLGALRELGFPMTPVQSATIPLFMRNKDVAAEAVTGSGKTLAFVIPILEI
 LLRREEKLKKSQVGAIITPTRELAIQIDEVLSHFTKHFPEFSQILWIGGRNPGEDVERFKQGGNIIVA
 TPGRLDLFRRKAEGDLASCVRSLDVLVLDEADRLDMGFASINTILEFLPKQRRTGFLSATQTQVEVE
 NLVRAGLRNPVRVSVKEKGVAASSAQKTPSRLENYYMVCKADEKFNQLVHFLRNHKQEKHLVFFSTCACV
 EYYGKLTLEVLKGVKIMCIHGKMKYKRNIKFMEFRKLQSGILVCTDVMARGIDIPEVNWVLQYDPPSNAS
 AFVHRCGRTARIGHGGSALVLLPMEESYINFLAINQKCPLEMKPQRNTADLLPKLKSMAADRAVFEK
 GMKAFVSYVQAYAKHECNLIFRLKDLDFASLARGFALLRMPKMPLELKGQFPDFVPVDVNTDIPFKDKI
 REKQRQLLEQRRREKTENEGRRKFIKNKAWSKQAKKEKKKKMNEKRKREEGSDIEDMEELLNDTRL
 LKLLKKGKITEEFKGLLTGKRTIKTVDLGISDLEDGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6317_b09.zip

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_020936.3](#)

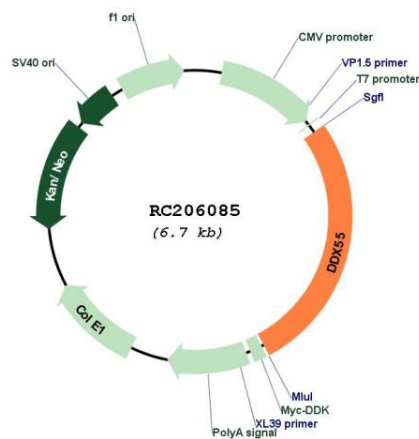
RefSeq Size: 2638 bp

RefSeq ORF: 1803 bp

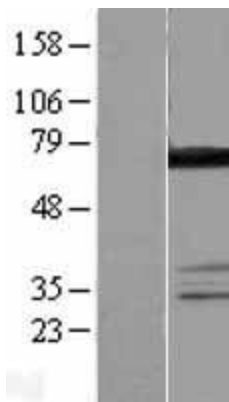
Locus ID: 57696
UniProt ID: [Q8NHQ9](#)
Cytogenetics: 12q24.31
MW: 68.5 kDa

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]

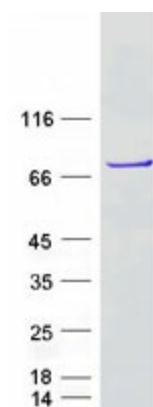
Product images:



Circular map for RC206085



Western blot validation of overexpression lysate (Cat# [LY412186]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206085 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DDX55 protein (Cat# [TP306085]). The protein was produced from HEK293T cells transfected with DDX55 cDNA clone (Cat# RC206085) using MegaTran 2.0 (Cat# [TT210002]).