

## Product datasheet for **RC208036**

### DDX26 (INTS6) (NM\_012141) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDX26 (INTS6) (NM_012141) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DDX26
Synonyms:	DBI-1; DDX26; DDX26A; DICE1; HDB; INT6; Notch12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC208036 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCATCTTACTGTTCTGATAGACAGTCTGCCTCTATGAACCAGCGCAGCCATCTGGCACCACT  
 ACCTGGACACGGCCAAAGGCGCGGTAGAGACCTTCATGAAGCTCCGTGCCGGGACCCTGCCAGCAGAGG  
 AGACAGGTATATGCTGGTCACTTTCGAAGAGCCGCCCTATGCTATCAAGGCTGGATGAAAAGAAAACCAT  
 GCAACGTTTATGAATGAATTGAAAAACCTTCAGGCTGAAGGACTTACGACTCTTGGCCAATCCCTAAGGA  
 CAGCTTTTGATTTATTAATTTAAATAGATTAGTAAGTGGCATAGACAATATGGGCAGGGAAGAAAACCC  
 TTTTTCTTGGAGCCAGCAATAATTATCACAATTACTGATGGGAGCAAGTTGACTACCACCAGTGGAGTC  
 CAGGATGAGCTTCATTTACCTCTAATTCTCCTTGCCTGGAAGTGAATTGACCAAGGAACCTTTTCGTT  
 GGGATCAGAGACTCTTTCATTAGTGTTCGGTTCCTGGCACCATGTCAGTAGAATCAGAACAGTTGAC  
 AGGTGTGCCTTTAGATGACTCTGCAATCACCAATGTGTGAAGTACAGCGCGCGTTCATATTCTGTG  
 TGTCTCCAAGAATGCTTAATCAGTGTCTGGAGTCTTGGTGCAGAAAGTACAAAGTGGGGTGGTAATAA  
 ACTTTGAAAAAGCAGGACCAGATCCTTCCCTGTAGAAGATGGGCAGCCAGATATATCAAGGCCCTTTGG  
 ATCTCAGCCTTGGCATAGCTGTCACAACTCATATATGTCAGACCAAATCCTAAAACCTGGGGTTCCTATA  
 GGTCAATGGCCTGTTCCAGAGTCTTTTGGCCAGATCAAATTCGCCAACACTACCACCTCGTACATCTC  
 ATCCTGTAGTGAAGTTTCTGTACAGACTGTGAACCAATGGTTATTGATAAACTTCTTTTGACAAATA  
 TGAGTTGGAACCTTACCAGTCACTCAATTTATCCTGGAAAGGAAATCTCCTCAAACATGTTGGCAGGTG  
 TACGTGAGCAATAGTCAAAAACAGTGAACCTGGTCACTCTTTGGTTACTTGAAGCCAGTACAGCAC  
 TGAACGTGTCAACTTATTGTGATGCCTTACAATTATCCAGTCTTCTCCCTCTTAGATGACTTGT  
 TAAAGTGATAAAAGCAAACCAACATTGAAGTGGAGACAGTCATTTGAAAGTTATTTGAAGACAATGCCT  
 CCTACTATCTTGGGCCCTTGAAGAAAGCTGTTAGGATGATGGGAGCACCTAACCTAATAGCAGACAGTA  
 TGGAAATAGGACTTAGTTACAGTGTCTTTCATACCTCAAAAACTGAGTCAACAGGCCAAAAATAGAATC  
 TGATCGAGTCAATGGATCTGTAGGCAAAAAAGTACAGGAGACTGGAATAAAAGTCCGGAGCCGATCA  
 CATGGTTTATCAATGGCATATAGGAAAGATTTCAACAACCTCCTCCAGGGAATTTAGAGGATGTCCTC  
 ACAGACTGCTAGACCTTAATATGAAGGAATACACTGGGTCCAAGTTGCTTTGCTGAATAAGGATTTGAA  
 GCCACAGACATTTAGAAATGCTTATGACATACCAAGACGAAATCTTTGGATCACTTAACAAGAATGAGA  
 TCTAATCTTTGAAAGACTCGCAGATTTCTGAAAGGACAGGACGAAGTCAAGTGCACAGTGTCTCTA  
 TAGCACAATGGGAACTACCAGGAATACCTCAAGCAAGTACCTTCTCCACTAAGAGAATTTGATCCTGA  
 TCAGCCACGAAGTTGCATACATTTGGCAACCCCTTAAAGCTGGATAAGAAGGATGATGATAGATGAA  
 GCAGATGAATTTGTGGCTGGACCTCAAAAATAACATAAACGACCCGGAGAACCAATATGCAAGGGATCC  
 CTAAGAGACGTCCGTGTATGTCTCCACTACTAAGAGGCAGACAGCAGAATCCTGTTGTAACAATCATAT  
 TGGGGGAAAAGGACCCTGCACCTACAACCTCAAGCACAGCCAGATCTTATTAACCTCTTCTCTTCAT  
 AAAATTTAGAAACCACTAATGATTGATAATACATGATGTGGTTGAAAATCATGTTGCAGACCACTTT  
 CATCAGACATTACACCAATGCTATGGATACGGAATTTTCAGCATCTTCTCCAGCCAGTTTACTGGAACG  
 GCCAACCAATCATATGGAGGCTCTTGGTCATGACCAATTTAGGAACCAATGACCTCACTGTTGGTGGATTT  
 TTAGAAAATCATGAGGAGCCAAGAGATAAAGAACAATGTGCTGAAGAGAACATACCAGCATCTTCACTCA  
 ACAAAGGAAAGAAATGATGCATTGCAGAGCCATGAAGAGGTCAATACTGAACTAAAAGCACAAATAAT  
 GAAAGAGATCCGAAAGCCAGGAAGAAAATATGAAAGAATCTTCACTTTACTGAAGCATGTGCAAGGCAGT  
 TTACAAACAAGACTAATATTTTTACAAAATGTCATTAAGAAGCATCAAGGTTTAAAAAACGAATGCTAA  
 TAGAACAACCTGGAGAATCTTGGATGAAATTCATCGAAGAGCCAATCAGATCAACCATATTAATAGCAA  
 T

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208036 protein sequence  
 Red=Cloning site Green=Tags(s)

MPILLFLIDTSASMNQRSHLGTTYLD TAKGAVETFMKLRARDPASRGDRYMLVTFEPPYAIAKAGWKENH  
 ATFMNELKNLQAEGLTTLGQSLRTAFDLLNLNRLVTGIDNYGQGRNPFLEPAIIITITDGSKLTSTSGV  
 QDELHLPLNSPLPGSELTKPEFRWDQRLFALVLRPLPGTMSVESEQLTGVPLDSSAITPMCEVTGGRYSYV  
 CSPRMLNQCLESLVQKVQSGVVINFEKAGPDPSPVEDGQPDISRPFSGQPWHSCHKLIYVRPNPKTGVI  
 GHWPVPEFSFWPDQNSPTLPPRTSHPVVKFSCTDCEPMVIDKLPFDKYELEPSPLTQFILERKSPQTCWQV  
 YVNSAKYSELGHPFGYLKASTALNCVNLVMPYNYPVLLPLDDLKVKHAKPTLKWQSFESYLKTMPI  
 PYYLGPLKKAVRMMGAPNLIADSMYGLSYSVSI SYLKKLSQAKIESDRVIGSVGKVVQETGIKVRSR  
 HGLSMAYRKDFQQLLQGISDVPHRLDLNMKEYTGFQVALLNKDLKPQTFRNAYDIPRRNLLDHLTRMR  
 SNLLKSTRRFLKGQDEDQVHSVPIAQMGNVQEYLKQVPSPLRELPDQPRRLHTFGNPFKLDKKGMMIDE  
 ADEFVAGPQNKHKRPGEPNMQGIKRRRCMSPLLRGRQQNPVVNNHIGGKPPAPTTQAQPDLIKPLPLH  
 KISSETTNDIIHDVVENVHADQLSSDITPNAMDTEFSASSPASLLERPTNHMEALGHDHLGTNDLTVGGF  
 LENHEEPRDKEQCAEENIPASSLNKGKLMHCRSHEEVNTELKAQIMKEIRKPGRYERIFTLKHHVQGS  
 LQTRLIFLQNVIKEASRFKKRMLIEQLENFLDEIHRANQINHINSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6693\\_d03.zip](https://cdn.origene.com/chromatograms/mk6693_d03.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

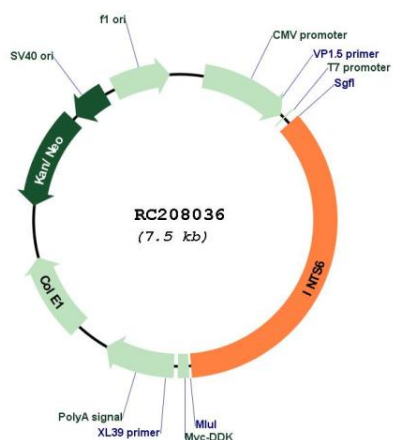


\* The last codon before the Stop codon of the ORF

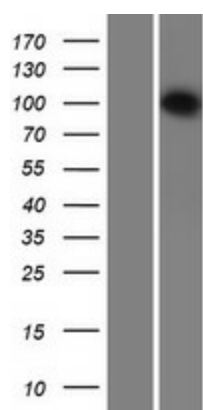
ACCN: NM\_012141

<b>ORF Size:</b>	2661 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_012141.3</a>
<b>RefSeq Size:</b>	7465 bp
<b>RefSeq ORF:</b>	2664 bp
<b>Locus ID:</b>	26512
<b>UniProt ID:</b>	<a href="#">Q9UL03</a>
<b>Cytogenetics:</b>	13q14.3
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	100.4 kDa
<b>Gene Summary:</b>	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. The protein encoded by this gene is a DEAD box protein that is part of a complex that interacts with the C-terminus of RNA polymerase II and is involved in 3' end processing of snRNAs. In addition, this gene is a candidate tumor suppressor and is located in the critical region of loss of heterozygosity (LOH). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2015]

Product images:



Circular map for RC208036



Western blot validation of overexpression lysate (Cat# [LY415954]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208036 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).