

Product datasheet for **RG208036**

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:	TurboGFP
Symbol:	INTS6
Synonyms:	DBI-1; DDX26; DDX26A; DICE1; HDB; INT6; Notch12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208036 representing NM_012141
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATCTTACTGTTCTGATAGACAGTCTGCCTCTATGAACCAGCGCAGCCATCTGGCACCACT
 ACCTGGACACGGCCAAAGGCGCGGTAGAGACCTTCATGAAGCTCCGTGCCGGGACCCTGCCAGCAGAGG
 AGACAGGTATATGCTGGTCACTTTCGAAGAGCCGCCCTATGCTATCAAGGCTGGATGAAAAGAAAACCAT
 GCAACGTTTATGAATGAATTGAAAAACCTTCAGGCTGAAGGACTTACGACTCTTGGCCAATCCCTAAGGA
 CAGCTTTTATTAAATTTAAATAGATTAGTAAGTGGCATAGACAATATGGGCAGGGAAGAAAACCC
 TTTTTCTTGGAGCCAGCAATAATTATCACAATTACTGATGGGAGCAAGTTGACTACCACCAGTGGAGTC
 CAGGATGAGCTTCATTTACCTCTAATTCTCCTTGCCTGGAAGTGAATTGACCAAGGAACCTTTTCGTT
 GGGATCAGAGACTCTTTCATTAGTGTTCGGTTCCTGGCACCATGTCAGTAGAATCAGAACAGTTGAC
 AGGTGTGCCTTTAGATGACTCTGCAATCACCAATGTGTGAAGTACAGCGCGCGTTCATATTCTGTG
 TGTCTCCAAGAATGCTTAATCAGTGTCTGGAGTCTTGGTGCAGAAAGTACAAAGTGGGGTGGTAATAA
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 TCTAATCTTTGAAAGACTCGCAGATTTCTGAAAGGACAGGACGAAGTCAAGTGCACAGTGTTCCTA
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 TAGAACAACCTGGAGAATCTTGGATGAAATTCATCGAAGAGCCAATCAGATCAACCATATTAATAGCAA
 T

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG208036 representing NM_012141
 Red=Cloning site Green=Tags(s)

MPILLFLIDTSASMNQRSHLGTTYLD TAKGAVETFMKLRARDPASRGDRYMLVTFEPPYAIAKAGWKENH
 ATFMNELKNLQAEGLTTLGQSLRTAFDLLNLRVTGIDNYGQGRNPFLEPAIIITITDGSKLTSTSGV
 QDELHLPLNSPLPGSELTKPEFRWDQRLFALVLRPLPGTMSVESEQLTGVP LDDSAITPMCEVTGGRYSYV
 CSPRMLNQCLESLVQKVQSGVVINF EKAGPDPSPVEDGQPDI SRPFGSQPWHSCHKLIYVRPNPKTGVP
 GHWPVPESEFWPDQNSPTLPPRTSHPVVKFSCTDCEPMVIDKLPFDKYELEPSPLTQFILERKSPQTCWQV
 YVNSAKYSELGHPFGYLKASTALNCVNL FVMPYNYPVLLPLDDLKVKHKAKPTLKWRSFESYLKTMP
 PYYLGPLKKA VRMMGAPNLIADSM EYGLSYSVISYLKLSQQAKIESDRVIGSVGKVVQETGIKVR SRS
 HGLSMAYRKDFQQLLQGISDVPHRLDLNMKEYTGFQVALLNKDLKPQTFRNAYDIPRRNLLDHLTRMR
 SNLLKSTRRFLKGQDEDQVHVSPIAQMGNYQEY LKQVPSPLRELPDQPRRLHTFGNPFKLDKKGMMIDE
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 KISSETTND SIIHDVVENVHADQLSSDITPNAM DTEFSASSPASLLERPTNHMEALGHDHLGTNDLTVGGF
 LENHEEPRDKEQCAEENIPASSLNKGK KLMHCRSHEEVNTELKAQIMKEIRKPGRKYERIFTL LKHVQGS
 LQTRLIFLQNVIKEASRFKKRMLIEQLENFLDEI HRRANQINHINSN

TRTRPLE - GFP Tag - V

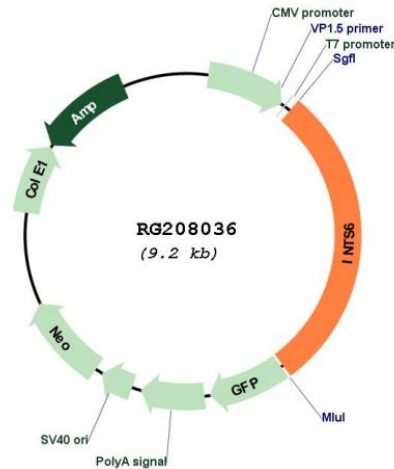
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012141

ORF Size: 2661 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_012141.3](#)

RefSeq Size: 7465 bp

RefSeq ORF: 2664 bp

Locus ID: 26512

UniProt ID: [Q9UL03](#)

Cytogenetics: 13q14.3

Protein Families: Druggable Genome

Gene Summary: 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]