

Product datasheet for **MC220531**

Ddx31 (NM_001033294) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx31 (NM_001033294) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddx31
Synonyms:	5830444G11Rik; Gm997
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220531 representing NM_001033294
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCGGCAAGCAGAGGCTACCAAGAGAAAGCACCAAGTGTCAGTGATGCTCCACCAGCAAACGGA
 GGAGTGAATATCCTCTGTTTTGGCCAAGAAAGCCAGTGATAAAGAACTCAGAGAACATTTAAAGGGAG
 TACACACAAAACGTTTCTCCAAAGAAGTATTTGGACAGTATAGCAATGGAAGGCAAGAGGAGAAGCCA
 TGCATCAAGACTTCATCGCTGTTAAAAACAACCTGAGATCCCAGAATCCACAGCACTGTAGTGAAGC
 AGGCTCGAGAGCAAGTGTCTCTCCAGAAGCTTCCAGGAGCTGGACCTCACCCACATCTAATTTCTAC
 AATAAATACAGTCTAAAAATGTCCAGTATGACCAGTGTTCAGAAGCAGAGTATCCCAGTGTCTGGAA
 GGCAGAGATGCCCTAGTGCCTCCAGACGGGCTCAGGAAAACCTTGCCTATTGCGTCCCTGTGGTCC
 AGTCTCTCAAGCACTGACATCAAAAATACAGCGCAGTATGGACCGTATGCTTTGGTCTAGTGCCAC
 CAGAGAGTTGGCTCTGCAAAGCTTTGACTGTTCAGAAGCTACTTAAGCCATTCACCTGGATTGTCTCT
 GGAGTGTGATGGGTGGAGAGAAGGAAATCGGAAAAAGCTAGACTCCGAAAAGGCATAAATATCCTTA
 TCTCCACTCTGGCCGTCTAGTGGATCATATAAATCCCAAAGAACCTTCACTTTAACCGAATACGGTG
 GCTGATTGTGGATGAAGCAGACAGGATCTTGGATTTGGGTTTTGAGAAGGACATCACAGTGATTCTGAAT
 GCTGTCAATGCTGAGTGTGAGAAACGGCAGAAATGTCCTCTGTGACGCACTCACAGAAGGTGAACAC
 GGCTAGTTGATATCAGTTTGACAATCCAGTCAATCTCTGTCTGGACAAAACCTGCAACCAGCCCAA
 TCCTAAGGAAGTTGCTAGTATCCAGCTCAACAGCTTTGCCATACCAGAGAGTCTCGACCAGCATGTGGT
 TTGGTTCCAGCAAGCTACGCTTGTCTGCCTTGACGCTTTCATCTGCAAAAAGTGAAGTTTGAGAAGA
 ACCAGAAGATGATTGTCTTTTTCTCAAGTTGTGAATTGGTGGAGTCCACTACAGCCTCTCTTCCACAC
 CCTGCTTTGCCACTCAGGGACCCCTACTTCAGAGCATCTGCCATCTGCCTCTGGCCACTGAAATTCCTT
 CGGCTGCATGGCAACATGGAACAGGAGGAAAGAACATCCGTGTTTCATGATTCTCCATTCTGAAACGG
 GAGTCTTGCTCTGCACGGATGTTGCATCTCGAGGCTTGGATCTCCACAAGTCACCTGGATTGTTTCAGTA
 CAGTGTCCGTCTTACCTGCAGAGTACATTCACCGCATCGGAAGAACTGCCCGATTGGCTGTCATGGG
 AGCAGCCTGCTCATTTTGGCTCCTCGGAGGCAGAAATGTCAACTCGTTGGCTTCTCACAAAATCAATG
 TTGGTGAGATTAAGATGGAAGATATTTTGGCTGTCTGGCAAAGGATGATTGTTTTAAAGGAGACAAG
 GGGAGCCAGAAATCCCCTGCCAGTGGCCCCAGGAAATCCGAGAACGAGCCACAGTATTGCAGACAGTG
 TTTGAAGATTATGTGCACTCCAGTCAAGGATGGTCTCCTGGGCTAAGAAAGCCCTGCAGTCTTATCC
 GAGCCTATGCCACCTACCCAAGGAGCTGAAGTCCATCTCCATGTCCGAGCCCTACACCTTGGGCACGT
 GGCTAAGAGTTTTGGACTAAGAGATGCTCTAGAAACCTCAGTGTCTCTGCTGTGAAGAAGGCAAGCTTA
 AAAAGGCCTCACCTCGGAGGAAGACGCAGAGGAAGCAGCACCTTGTGCCTGCTGAAGTCTGCACTCAG
 AACACTCAAGTGGGCTGGAGGGTGGTCCACGAAGTGCAGAAAGCAAGGCAACAAACAGGGCCTTCAGGT
 GGCACCCAGCAAGCCGGGGCCGTGGAGAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033294
- Insert Size:** 2064 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001033294.3](#), [NP_001028466.2](#)

RefSeq Size: 3328 bp

RefSeq ORF: 2064 bp

Locus ID: 227674

UniProt ID: [Q6NZQ2](#)

Cytogenetics: 2 A3

Gene Summary: Probable ATP-dependent RNA helicase (By similarity). Plays a role in ribosome biogenesis and TP53/p53 regulation through its interaction with NPM1 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the protein-coding transcript. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.