

Product datasheet for **MG226500**

Ddx27 (NM_153065) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx27 (NM_153065) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ddx27
Synonyms:	C86129
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG226500 representing NM_153065
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGCGGAGCTCGGTTTCATCCGACCATCGGCGAGAATGACGAGGTGCCGGTTGAGCCCGAGTCGG
ACTCCGGAGACGAGGAGGAGGAGGGACCCATTGTGCTGGCCGCAAGCAGAAAGCCTTGCAGAAGAACCG
CAGTGCTGACTTCAACCCTGACTTTGTTTTCACTGAGAAGGAGGGCATGTATGATGGCAGCTGGGCCCTG
GCTGATGTCATGAGCCAGCTCAAGAAGAAGCGGGCAGCCACTACACTAGATGAGAAGATTGAGAAAGTCC
GGAAGAGAAGGAAGGCAGAGGACAAGGAAGCCAAGTCTGGGAAGGTGGAGGAGAAAGAAGGCCAGGCAGA
CTCTGACCTGAAGGGCAGGAGAATCCGGGTGAGGATGAGGCAGGCTCCAAGGATGAAGACTCTGAGACT
GACTACTCCTCTGAGGATGAGGAAATCCTACCAAAGCAGACACACTCAAAGTGAAGGAGAAGAAGAAGA
AGAAGAAGGGCCAGGCAGCAGGAGGATTCTTTGAAGATGCATCCGAGTATGACAAAAGCCTGTCTTCCA
GGACATGAACCTCTCCCGCCCCCTCTGAAGGCCATTACAGCCATGGGCTTCAAGCAGCCCACGCCAATC
CAGAAGGCGTGTATCCCTGTGGTCTGTGGGGAAGGACATCTGCGCCTGTGCAGCCACTGGGACAGGCA
AAACTGCAGCCTTTGCACTGCCCGTCTTGAGCGTCTGATCTACAAGCCCCGCCAGGCTGCAGTCACTCG
CGTGCTGGTGCTGGTCCCCACGAGAGAGCTGGGCATCCAAGTGCCTCTGTCAACAGCAGCTGGCCAG
TTCTGCAGCATCACTACCTGCCTGGCTGTGGGTGGCCTGGATGTGAAGTCTCAGGAAGCCGCTCTTCGGG
CAGCACCAGACATCCTCATTGCCACACCTGGCCGGCTCATCGACCACCTCCATAACTGCCCTCCTTCCA
CCTGAGCAGCATTGAAGTGCTCATCTTGGATGAGGCTGACAGGATGCTGGATGAGTATTCGAGGAGCAG
ATGAAGGAGATTATCCGAATGTGTTCCACCACCGCCAGACCATGCTCTTCTCGGCCACCATGACAGATG
AGGTGAAAGATCTGGCTTCGGTCTCCTTAAAGAATCCTGTGCGGATATTTGTGAACAGAACACAGATGT
CGCTCCCTTCTCGCGCAAGAGTTCATACGGATCCGGCCTAATAGGGAAGGGGACCGGGAGGCCATTGTG
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GCGCCTGGAGGCCCTCCGGCGCTTAAAGGACGAACAGATTGACATCCTGGTGGCCACAGATGTGGCAGCC
CGCGGTCTTGACATTGAAGGAGTGAAAACAGTGATCAACTTACCATGCCAACACTGTTAAACACTATG
TGCACCGGTGGGGCGGACGGCCGTGCTGGCAGGCTGGACGCTCTGTCTCCCTAGTGGGAGAGGAGGA
GCGGAAGATGCTGAAGGAGATCGTGAAGGCTGCCAAGGCCAGTGAAGGCTCGGATCCTTCCCCAGGAT
GTTATCCTCAAGTCCGGGACAAGATTGAGAAATTGGAGAAAGATGTGTATGCAGTGTGCAGCTGGAGG
CGGAGGAAAAAGAGATGCAGCAGTCCGAAGCCAGATTGACACAGCACAGCGACTTTAGCCAAAGGGAA
AGAGACAGCAGACCAGGAGCCTGAGAGGAGCTGGTTCCAGACCAAGAAGAGAGGGAAGAAGGAGAAGATT
GCTAAGGCTCTACAGGAGTTTGACTTGGCCTTAAAGGAAAGAAGAAAAGGAAGAAGTTTATGAAGGATG
CCAAGAAAAAGGGGAGATGACGGCAGAGGAGAGGTCCAGTTTGAATCCTCAAGGCACAGATGTTTGC
AGAGCGGCTGGCCAAGAGGAATCGCAGAACCAAGCAGACCGGCAATGCCTGAGGACGAGCCTACAGGC
CCTGCTAAAAAGCAGAAGCAGCAGCAGAAGTCTGTGTTTATGAAGAAGTCAACACACAAGCAAGAAGG
CCCTGAAACAGTATCGGGCTGGCCCTTCTTTGAAGAGAGGAAACAGTCAAGTCTGCCCCGCCAGAGGAG
AGGGAACCTCAAATCTAAGTCCAGGTACAAGAGAAAGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG226500 representing NM_153065
Red=Cloning site Green=Tags(s)

MLAELGFIRTIGENDEVPVEPESDSGDEEEEGPIVLGRKQKALQKNRSADFNPDFVFTEKEGMYDGSWAL
 ADVMSQLKKKRAATTLDEKIEKVRKRRKAEDKEAKSGKVEEKEGQADSDLKGQENPGEDEAGSKDESET
 DYSEDEEILTKADTLKVKKKKKKKGQAAGGFEDASEYDKSLSFQDMNLSRPLLKAITAMGFKQPTPI
 QKACIPVGLLGKDICACAATGTGKTAAFALPVLRLIYKPRQAAVTRVLVLPVPTRELGIQVHSVTKQLAQ
 FCSITTC LAVGGLDVKSQEAALRAAPDIL IATPGRLIDHLHNCPSFHLSSIEVLILDEADRMLDEYFEEQ
 MKEIIRMCSHHRQTMLFSATMTDEVKDLASVSLKNPVRIFVNSNTDVAPFLRQEFIRIRPNREGDREAI
 AALLMRTFTDHVMLFTQTKKQAHMHILLGLLGLQVQELHGNLSQTRLEALRRFKDEQIDILVATDVAA
 RGLDIEGVKTVINFTMPNTVKHYVHRVGR TARAGRAGRSVSLVGEERKMLKEIVKAAKAPVKARILPQD
 VILKFRDKIEKLEKDVYAVLQLEAEEKEMQQSEAQIDTAQRLLAKGKETADQEPERSWFQTKEEKKKEKI
 AKALQEFDLALRGKKRKKFMKDAKKKGEMTAEERSQFEILKAQMF AERLAKRNRRTKRAMPEDPTG
 PAKKQKQQKQSVFDEELTNTSKKALKQYRAGPSFEERKQSGLPQRRRGNFKSKSRVYKRRK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153065

ORF Size: 2280 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_153065.3](#), [NP_694705.2](#)

RefSeq Size: 2592 bp

RefSeq ORF: 2283 bp

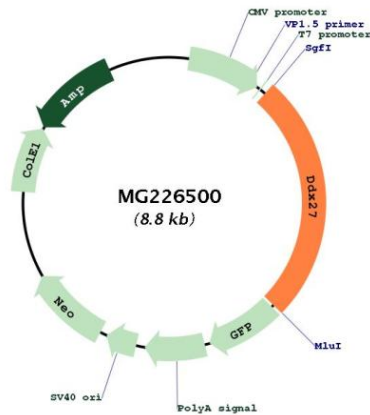
Locus ID: 228889

UniProt ID: [Q921N6](#)

Cytogenetics: 2 H3

Gene Summary: Probable ATP-dependent RNA helicase. Component of the nucleolar ribosomal RNA (rRNA) processing machinery that regulates 3' end formation of ribosomal 47S rRNA. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG226500