

Product datasheet for **MR226500**

Ddx27 (NM_153065) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx27 (NM_153065) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx27
Synonyms:	C86129
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226500 representing NM_153065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCGGAGCTCGGTTTCATCCGACCATCGGCGAGAATGACGAGGTGCCGGTTGAGCCCGAGTCGG
 ACTCCGGAGACGAGGAGGAGGAGGGACCCATTGTGCTGGCCGCAAGCAGAAAGCCTTGCAGAAGAACCG
 CAGTGCTGACTTCAACCCTGACTTTGTTTTCACTGAGAAGGAGGGCATGTATGATGGCAGCTGGGCCCTG
 GCTGATGTCATGAGCCAGCTCAAGAAGAAGCGGGCAGCCACTACACTAGATGAGAAGATTGAGAAAGTCC
 GGAAGAGAAGGAAGGCAGAGGACAAGGAAGCCAAGTCTGGGAAGGTGGAGGAGAAAGAAGGCCAGGCAGA
 CTCTGACCTGAAGGGCAGGAGAATCCGGGTGAGGATGAGGCAGGCTCCAAGGATGAAGACTCTGAGACT
 GACTACTCCTCTGAGGATGAGGAAATCCTACCAAAGCAGACACACTCAAAGTGAAGGAGAAGAAGAAGA
 AGAAGAAGGGCCAGGCAGCAGGAGGATTCTTTGAAGATGCATCCGAGTATGACAAAAGCCTGTCTTCCA
 GGACATGAACCTCTCCCGCCCCCTCTGAAGGCCATTACAGCCATGGGCTTCAAGCAGCCCACGCCAATC
 CAGAAGGCGTGTATCCCTGTGGTCTGTGGGGAAGGACATCTGCGCCTGTGCAGCCACTGGGACAGGCA
 AACTGCAGCCTTTGCACTGCCCGTCTTGAGCGTCTGATCTACAAGCCCCGCCAGGCTGCAGTCACTCG
 CGTGCTGGTGTGGTCCCCACGAGAGAGCTGGGCATCCAAGTGCCTCTGTCAACAGCAGCTGGCCAG
 TTCTGCAGCATCACTACCTGCCTGGCTGTGGGTGGCCTGGATGTGAAGTCTCAGGAAGCCGCTCTTCGGG
 CAGCACCAGACATCCTCATTGCCACACCTGGCCGGCTCATCGACCACCTCCATAACTGCCCTCCTTCCA
 CCTGAGCAGCATTGAAGTGTCTATTGGATGAGGCTGACAGGATGCTGGATGAGTATTCGAGGAGCAG
 ATGAAGGAGATTATCCGAATGTGTTCCACCACCGCCAGACCATGCTCTTCTCGGCCACCATGACAGATG
 AGGTGAAAGATCTGGCTTCGGTCTCCTTAAAGATCCTGTGCGGATATTTGTGAACAGAACACAGATGT
 CGCTCCCTTCTCGCGCAAGAGTTCATACGGATCCGGCCTAATAGGGAAGGGGACCGGGAGGCCATTGTG
 GCAGCTCTGCTGATGAGAACCTTCACTGACCACGTGATGCTCTTCAACCAGACCAAGAAGCAGGCCCATC
 GCATGCACATCCTCCTGGGGTGTGGGCTGCAGGTGGGCGAGCTCCACGGCAACTTGTACAGACCCA
 GCGCCTGGAGGCCCTCCGGCGCTTAAAGGACGAACAGATTGACATCCTGGTGGCCACAGATGTGGCAGCC
 CGCGGTCTTGACATTGAAGGAGTGAAAACAGTGATCAACTTACCATGCCAACACTGTTAAACACTATG
 TGCACCGGTGGGGCGGACGGCCCGTGTGGCAGGCTGGACGCTCTGTCTCCCTAGTGGGAGAGGAGGA
 GCGGAAGATGCTGAAGGAGATCGTGAAGGCTGCCAAGGCCAGTGAAGGCTCGGATCCTTCCCCAGGAT
 GTTATCCTCAAGTCCGGGACAAGATTGAGAAATTGGAGAAAGATGTGTATGCAGTGTGCAGCTGGAGG
 CGGAGGAAAAAGAGATGCAGCAGTCCGAAGCCAGATTGACACAGCACAGCGACTTTAGCCAAAGGGAA
 AGAGACAGCAGACCAGGAGCCTGAGAGGAGCTGGTTCCAGACCAAGAAGAGAGGAAGAAGGAGAAGATT
 GCTAAGGCTCTACAGGAGTTTGACTTGGCCTTAAAGAGAAAGAAGAAAAGGAAGAAGTTTATGAAGGATG
 CCAAGAAAAAGGGGAGATGACGGCAGAGGAGAGGTCCAGTTTGAATCCTCAAGGCACAGATGTTTGC
 AGAGCGGCTGGCCAAGAGGAATCGCAGAACCAAGCAGACCGGCAATGCCTGAGGACGAGCCTACAGGC
 CCTGCTAAAAAGCAGAAGCAGCAGCAGAAGTCTGTGTTTATGAAGAAGTCAACACACAAGCAAGAAGG
 CCCTGAAACAGTATCGGGCTGGCCCTTCTTTGAAGAGAGGAAACAGTCAAGTCTGCCCGCCAGAGGAG
 AGGGAACCTCAAATCTAAGTCCAGGTACAAGAGAAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226500 representing NM_153065
 Red=Cloning site Green=Tags(s)

MLAELGFIRTIGENDEVPVEPESDSGDEEEEGPIVLGRKQKALQKNRSADFNPDFVFTEKEGMYDGSWAL
 ADVMSQLKKKRAATTLDEKIEKVRKRRKAEDKEAKSGKVEEKEGQADSDLKGQENPGEDEAGSKDESET
 DYSEDEEILTKADTLKVKKKKKKKGQAAGGFEDASEYDKSLSFQDMNLSRPLLKAITAMGFKQPTPI
 QKACIPVGLLGKDICACAATGTGKTAFAFPVLERLIYKPRQAAVTRVLVLPVPTRELGIQVHSVTKQLAQ
 FCSITTC LAVGGLDVKSQEAALRAAPDIL IATPGRLIDHLHNCPSFHLSSIEVLILDEADRMLDEYFEEQ
 MKEIIRMC SHHRQTMLFSATMTDEVKDLASVSLKNPVRIFVNSNTDVAPFLRQEFIRIRPNREGDREAI V
 AALLMRTFTDHVMLFTQTKKQAHRMHILLGLLGLQV GELHG NLSQTQRLEALRRFKDEQIDILVATDVAA
 RGLDIEGVKTVINFTMPNTVKHYVHRVGR TARAGRAGRSVSLVGEERKMLKEIVKAAKAPVKARILPQD
 VILKFRDKIEKLEKDVYAVLQLEAEKEMQQSEAQIDTAQRLLAKGKETADQEPERSWFQTKEEKKKEKI
 AKALQEFDLALRGKKRKKFMKDAKKKGEMTAEERSQFEILKAQMF AERLAKRNRRTKRAMPEDPTG
 PAKKQKQQKSVFDEELTNTSKKALKQYRAGPSFEERKQSGLPQRRRGNFKSKSRVYKRRK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9098_f03.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_153065

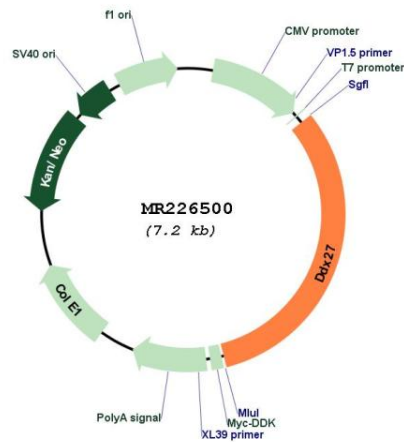
ORF Size: 2280 bp

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:	<ol style="list-style-type: none">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:	<u>NM_153065.3, NP_694705.2</u>
RefSeq Size:	2592 bp
RefSeq ORF:	2283 bp
Locus ID:	228889
UniProt ID:	<u>Q921N6</u>
Cytogenetics:	2 H3
MW:	85.9 kDa
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 MR226500