

Product datasheet for **MG208999**

Ddx27 (BC011321) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx27 (BC011321) 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:

>MG208999 representing BC011321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCTCTCCCGGCCCTCTGAAGGCCATTACAGCCATGGGCTTCAAGCAGCCACGCCAATCCAGA
 AGGCGTGTATCCCTGTGGTCTGCTGGGAAGGACATCTGCGCCTGTGCAGCCACTGGGACAGGCAAAC
 TGCAGCCTTTGCACTGCCCGTCTTGAGCGTCTGATCTACAAGCCCCGCCAGGCTGCAGTCACTCGCGTG
 CTGGTGTGGTCCCCACGAGAGAGCTGGGCATCCAAGTCACTCTGTACCAAGCAGCTGGCCAGTTCT
 GCAGCATCACTACCTGCCTGGCTGTGGTGGCCTGGATGTGAAGTCTCAGGAAGCCGCTCTTCGGGCAGC
 ACCAGACATCCTATTGCCACACCTGGCCGGCTCATCGACCACCTCCATAACTGCCCTCCTCCACCTG
 AGCAGCATTGAAGTGCTCATCTGGATGAGGCTGACAAGATGCTGGATGAGTATTCGAGGAGCAGATGA
 AGGAGATTATCCGAATGTGTTCCACCACCGCCAGACCATGCTCTTCTCGGCCACCATGACAGATGAGGT
 GAAAGATCTGGCTTCGGTCTCCTTAAAGAATCCTGTGCGGATATTTGTGAACAGCAACACAGATGTCGT
 CCCTTCTGCGGCAAGAGTTCATACGGATCCGGCCTAATAGGGAAGGGGACCGGGAGGCCATTGTGGCAG
 CTCTGCTGATGAGAACCTTCACTGACCACGTGATGCTCTTACCCAGACCAAGAAGCAGGCCCATCGCAT
 GCACATCCTCTGGGGTCTGGGGCTGCAGGTGGGCGAGCTCCACGGCAACTTGTACAGACCCAGCGC
 CTGGAGGCCCTCCGGCGCTTAAAGGACGAACAGATTGACATCCTGGTGGCCACAGATGTGGCAGCCCGCG
 GTCTTGACATTGAAGGAGTGAAGACAGTGAACAAGTCACTTACCATGCCCAACACTGTTAAACACTATGTGCA
 CCGGGTGGGGCGGACGGCCGTGCTGGCAGGGCTGGACGCTCTGTCTCCCTAGTGGGAGAGGAGGAGCGG
 AAGATGCTGAAGGAGATCGTGAAGGCTGCCAAGGCCAGTGAAGGCTCGGATCCTTCCCCAGGATGTTA
 TCCTCAAGTTCGGGACAAGATTGAGAAATGGAGAAAGATGTGTATGCAGTGTGCAGTGGAGGCGGA
 GGAAAAAGAGATGCAGCAGTCGGAAGCCAGATCGACACAGCACAGCGACTCTTAGCCAAAAGGGAAGAG
 ACAGCAGACCAGGAGCCTGAGAGGAGCTGGTTCAGACCAAGAAGAGAGGAAGAAGGAGAAAGATTGCTA
 AGGCTCTACAGGAGTTTACTTGGCCTTAAAGAGAAAAGAAAAGGAAGAAGTTTATGAAGGATGCCAA
 GAAAAAGGGGAGATGACGGCAGAGGAGAGGTCCAGTTTGAATCCTCAAGGCACAGATGTTTGCAGAG
 CGGCTGGCCAAGAGGAATCGCAGAACCAAGCGAGCACGGGCAATGCCTGAGGACGAGCCTACAGGCCCTG
 CTA AAAAGCAGAAGCAGCAGCAGAAGTCTGTGTTGATGAAGAACTACCAACACAAGCAAGAAGGCCCT
 GAAACAGTATCGGGCTGGCCCTCCTTTGAAGAGAGGAAACAGTCAGGTCTGCCTCGCCAGAGGAGAGGG
 AACTTCAATCTAAGTCCAGGTACAAGAGAAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208999 representing BC011321
 Red=Cloning site Green=Tags(s)

MNLSRPLLKAITAMGFKQPTPIQKACIPVGLLGKIDICACAATGTGKTAALPVLRLIYKPRQAAVTRV
 LVLVPTRELGIQVHSVTKQLAQFCSITTCCLAVGGLDVKSQEAALRAAPDILIAATPGRLLIDHLHNCPSFHL
 SSIEVLILDEADKMLDEYFEEQMKIIRMCSHRQTMLFSATMTDEVKDLASVSLKNPVRIFVNSNTDVA
 PFLRQEFIRIRPNREGDREAIVAALLMRTFTDHVMLFTQTKKQAHRMHILLGLLGLQVGLHGNLSQTQR
 LEALRRFKDEQIDILVATDVAARGLDIEGVKTVINFTMPNTVKHYVHRVGRARAGRAGRSVSLVGEEER
 KMLKEIVKAAKAPVKARILPQDILKFRDKIEKLEKDVYAVLQLEAEEKEMQQSEAIQIDTAQRLLAKGKE
 TADQEPERSWFQTKERKKEKIAKALQEFDLALRGKKRKKFMKDAKKKGEMTAEERSQFEILKAQMF
 RLAKRNRRTKRAMPEDPTGPAKKQKQQKSVFDEELTNTSKKALKQYRAGPSFEERKQSGLPRQRRG
 NFKSKSRYKRKK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC011321

ORF Size: 1718 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: [BC011321](#), [AAH11321](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1718 bp

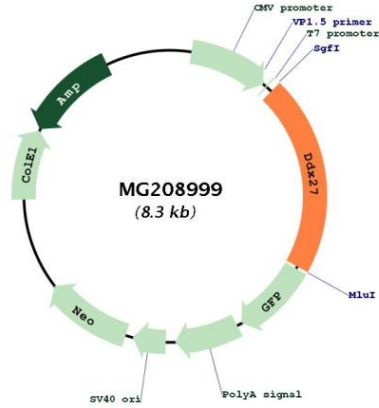
Locus ID: 228889

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 MG208999