

Product datasheet for **MC218437**

Ddx28 (NM_028038) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx28 (NM_028038) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddx28
Synonyms:	2410004K13Rik; AI449652; Mddx28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218437 representing NM_028038
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGGCTTTAGCCGGGCCATCGCGCTGCTGGCGTTAGCAGTACGTTGCTTCTGGAGCCTCGACGGAACC
 TAGTGGTGCGCGGTTCCGACCAGTCCTTGCCAGTGGTGC GCGTTCCGCGGGCTCTGCAGCGACGGCAGGA
 ACAGCGACAGAGCGGCCGTGGGAGTTTGCAGCGGCCAGTCTAGTGC GCCCGGTCCTGCTGGTCTCG
 GCGCGGCCGGGAGTTGAACCAGCCCGCACGCTCACGCTGGGCGGTTGGGAGCGAGCGCCACTGGCTT
 CCCGTGGCTGGAAGCATCGGCGATCGCGGCAAGACCATTCTCCATAGAGCGAGTGCAGCAAGAGGCGCC
 CGCCCTGAGGAACCTCTCGTCCCGGGCAGCTTCGTGGACCTGGGTCTGGAACCCCGAGTCTGCTGGCG
 CTTCAGGAGGCTGTCCCGAAGTTGTGCAGCCAACCTCAGTGCAGTCGAAAACCTCCCCCACTGCTTC
 GAGGCCGCCACCTCCTTTGCGCTGCGGAACTGGCAGTGGCAAGACGCTTAGCTACCTACTGCCCTATT
 TCAGCGGCTCCTGAGAGGTCAGACCTGGACTCCCGAGTTTCAGGCTCCTCGAGGCTTGGTTCTGGTA
 CCTTCCCGAGAAGTAGCCGAACAGGTGCAGGCAGTGGCCAGTCACTGGGTGGTACTTGGCCCTGCAGG
 TGATAGAAGTTGGCGGAGGCCTCGGGATGAGTAGGCTCAAACCTCAGCTGTATAGACGACCGGCAGCCGA
 TGTGTTAGTGGCTACTCCAGGGGCGCTGTGGAAGGCTCTGAAAAGTCAACTGATCAGCTTACAGCATCTT
 AACTTCATAGTGTAGATGAAGTAGACACACTGTAGATGAAAGCTTCTGGAAGTGGTGGACTACATCT
 TGGAAAAGAGCCCTATAGCAGAAAGTCCAGCCGAGTTAGAAGACCCCTTAAATCCCAAAGCCAGTTAGT
 GCTGGTGGGAGCCAGTTTCCAGAAGGCCTAAACCAGTTACTGAGTAAAGTACCAGTCCAGACAGTCTG
 ACCACCATACCAGCTCCAAGCTGCACTGTCTCATGCCTCATGTGACAGACACATTTATGAGACTGAAGG
 GAGCAGACAAGGTGACAGAAGTGGTTCAGATCCTCAAACAGCAGGACAAAGCAAGTAAGACGGAACCCTC
 GGGAACTGTCTGGTATTCTGCAACAGCGCCAGCACCGTGAAGTGGCTTGGGTACATTCTGGATGACCCAC
 AAGATTCAACATCTAAGGCTGCAAGGGCAAATGCCGGCCTCAATGAGGGCAGGTATCTTCCAGAGTTTCC
 AGAAGGGCTCCAGAACATACTTGTCTGCACAGACATCGCTCCCGAGGCCTAGACAGTGTCCACGTGGA
 AGTGGTTATCAATTACGATTTCCCCCTACCCTGCAGGATTACATCCACAGAGCAGGAAGGGTGGTTCGT
 GTGGGCAGCGAAGTGCCAGGGTCCGTTATCAGTTTTGTGACCCACCCCTGGGATGTGAGCCTGGTTCAGA
 AAATTGAACTGGCAGCTCGCCGAAGGAGAAGCCTTCCAGGACTAGCATCTCAGTGGGGACCCCTTGCC
 TCAAAAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM_028038
- Insert Size:** 1623 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_028038.3](#), [NP_082314.2](#)

RefSeq Size: 1871 bp

RefSeq ORF: 1623 bp

Locus ID: 71986

UniProt ID: [Q9CWT6](#)

Cytogenetics: 8 D3

Gene Summary: Plays an essential role in facilitating the proper assembly of the mitochondrial large ribosomal subunit and its helicase activity is essential for this function. May be involved in RNA processing or transport. Has RNA and Mg(2+)-dependent ATPase activity (By similarity). [UniProtKB/Swiss-Prot Function]