

Product datasheet for MC224339

Dhx29 (NM_172594) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx29 (NM_172594) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhx29
Synonyms:	3732415M03; AU043276; Ddxx; E130202M19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224339 representing NM_172594 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGCGGCAAAAATAAGAAACACAAGGCGCCGGGAGCTGCGGCGATGCGGGCCGCGTGTCTGCTTCCA
GAGCCAGAAGTGCAGAGGCCGAGCTGTTGGGGAAGCCAGAGCAAGAAGCCGGTGGCCAGGCCGCGCCG
CGCGTCCCCACCGCGCCCGGAGCCCGAGTGAAGCAAGGTCCAAAAATTTATAGTTTTAATTCTGCA
AATGATTCGGTGGCTCTGCAAACTCTGGACAACTATTTTGAAGTGGTGATTAACAATAAACTAGAGC
AAAGGATTATCGGAGTGATCAATGAGCATAAAAAGCAGAACAGCGACAGGGGAGCGATCTCTGGAAGACT
GTCGGCTAAGAAGCTACAGGATTTATACATGGCTTTACAAGCGTTTTCTTTAAGACTAAGGATATTGAA
GATGCCATGACCAATACACTCTTGCAATGGAGGTGACCTTCATTCTGCCTTGGACTGGCTCTGCTTAAATC
TTTCCGATGATGCACTTCCTGAAGGATTCAAGTCAAGAAATTTGAAGAGCAGCAACCTAAAAGCAGGCCAAA
ATTCCAGTCTGTACAAATACAGGCTACTCTTTCACCTCCACAGCAGACGAAAACCAAGGCAGGAGGAA
GACCCTAAATTAAGCAAAAAAGGAAGAGACAACCGTGGAGGTGAATATGAAGGAGTGGATTTTGAGAT
ATGCTGAGCAACAGGACGAAGAGGAGAAGGGCGAGGGCTCTAAGGCTTAGAGGAAGAAGAAAGTTTGA
CCCCAACCAAGGTACTTGAACCTTGACCCAGACTTCTGGACGCAAAGGAGCAAGCCGCCGCTTCAAA
CTAGAAAAAACAAGCAAGGCCAAAAAGAGGCTCAAGAGAAAAAAGAAAGTTCCAAAGAGAAATGGAAA
CTTTAGAAGACCATCCAATATTCAACCCAGCCATAAAGATTTACATCAACAAAATGAGAAGAAAAAGCC
TGCTCCAGCCACAGAAGCTGAGAGTGCTTTAAACCTGAATTTATTTGAAAAATCTGCAGTGCTACCGAG
GAAGAGAAAGGTAAAAAGAAAGAACCTCACGATGTAAGGAACCTTGAAGTACACTGCTCGAAGCTGGACTG
GCAAAATCTCCAAACAATTCCTCATCGACTGGTCAGGAAGAATCTTCCAAGAGTCCAAACCCCTCCTT
TGAGAAAGTTGCCGTAGGCAGATACTGGAATGTAGGGTAAGGGTCGTCAGGTCTGAAGTGACGTGCTG
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ATCGGCTAGTGAAGGGGAGTCTGTCCATCAGTTACTCCCTCCTACGTACCGGGATGTTTGGCTGGAGTG
GAGTGATGAAGAGAAGAAAGGAAGAACTCAATAAAATGAAACCAACAAACCACGGGATCTTTTATT



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GCCAAGCTCTTGAATAAGTTGAAGCAGCAGCAGCAACAACAGCAGCAGCAGCGTCTGAAAGCGAGAAAG
GGGGCTCCGAGGATCCCAGGAATCCTGGGAAACTTAGTTTCCGACGAAGATCTTGCTGCGCTGTCCTT
GGAGCCAACCAAGTGCAGAAGACCTGGCACCTGTTAGGAGCCTCTTCAGGAGGCTACAGAGCACACCCAAG
TATCAGAGGCTCCTGAAGGAGAGACAGCAGCTACCTGTGTTCAAACACCGGGACTCAATTGTGGAAGCTC
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AGAATCTCGGCGGTGAGCTTAGCCACCAGGGTGTGCGAGGAGCTGGCTGTGAGAGTGGCCCTGGAGGAA
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GACCTTGCAAAGTCGTCTTTGGCTGTGGCCGACTCGGACCACCTCACGATCTACAATGCTTATCTAGGGT
GGAAGAAAGCCAGCAAGAAGGAGGCTCCGCTCTGAGATCTCATATTGCCAGAGGAATTCCTAAACAG
AACGTCACCTGTTGACACTCGAGGATGTGAAGCAGGAGTTAATGAAATTGGTGAAAGCTGCAGGATTTTCA
TCGTCTCCAGCTGGGAGGGAAGGAAAGGGCCGAGACGCTCTTTCCAGGACATTGCTCTTTAAAG
CTGTGCTGGCTGCTGGCCTGTACGACAGTGTGGGGAAGATCATGTGTACAAAGTCCGTGGACGTGACAGA
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CCCTCATCACCCCTTTTCCAGTTTTGCTTTTGGAGGTGACATAGAAGTCCAGCACCCGAGAGCGGCTTCT
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CTCATTGATTCTGTTTTAAGAAAAAACTTGAAAAATCAAAGATGTCCCTTGAAAAATGACAAGATTCTAC
AGATCATTACAGAATTGATAAAACAGAGAATAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1849_c11.zip

Restriction Sites: SgfI-MluI

ACCN: NM_172594

Insert Size: 4098 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC057112](#), [AAH57112](#)

RefSeq Size: 4098 bp

RefSeq ORF: 4098 bp

Locus ID: 218629

UniProt ID: [Q6PGC1](#)

Cytogenetics: 13 D2.2

Gene Summary: ATP-binding RNA helicase involved in translation initiation. Part of the 43S pre-initiation complex that is required for efficient initiation on mRNAs of higher eukaryotes with structured 5'-UTRs by promoting efficient NTPase-dependent 48S complex formation. Specifically binds to the 40S ribosome near the mRNA entrance. Does not possess a processive helicase activity.[UniProtKB/Swiss-Prot Function]