

Product datasheet for MC223099

Dhx30 (BC016202) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx30 (BC016202) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhx30
Synonyms:	HELG, Ddx30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC016202 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCTGCCAGGCGGCTCATGGCGTGGCTGCCGGCTCTCTCCGCGCTCCGGCCCGGATCCCC
TTGTGCTTCCGGGCGACAAGGATGTTCCGCGGCTTCTCATCAAGCTTTGTCCGCTCTGATGGCACTCA
GGAAGCTGCCGAGGTGCAATCAGAGGTGGCCCTAGCGAGCTGGGGAGGGTGACGGAAGCATGGTGAAC
GCTTCTAGGGACCTATTAAGAGGTTTCCGCGAGCTAAAAACCTTCTCAACAGCGTGATTGGAAGAGCCC
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CCTGCACATAAAGTGGCCCAAGAGCGTGGAGGTGGAAGGCTATGGCAGCAAGAAGATTGATGCTGAGCGT
CAGGCTGCAGCAGCTGCCAAGTCTTCAAGGGCTGGGGTCTGCTGGGACCACGGAATGAGCTGTTTTG
ATGCAGCTAAATACCGAGTGCTAGCTGATCGTTTTGGTCTCCAGCTGACAGCTGGTGGCGCCAGAACC
CACCATGCCTCCAAGTCTTCCGCGCAGCTGAATCCTGAGAATTCGGCCAGGGGGTCTGCAGGACTA
TCCCGATCCTTAGGCGGAGAGGAAGAGGAGATGAGGAGGAAGAGCTAGAAGAGGGGACCATTGATGTGA
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CCAAGTGGCTACTACTCTGCTCTGGCCCTGTCCCATGACCTTTGTTGCCAAAGGGCGACGCAAGC
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ATGTGATCATCACACAACCTCGCCGGATCTCAGCTGTGTCTGTGGCACAGCGGGTCAGCCATGAACTGGG
CCCCTCCTTGCGCCGGAATGTGGGCTTCCAGGTACGCTTGGAAAGTAAGCCCCAGCCCCAGGTGGGGCG
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TACTTTGGGGCTGCCCTGTTATCAAGGTACCTGGCTTCATGTATCCCGTCAAGGAACACTACCTGGAGG
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CGACTGGCCAAGGCCATAGTGTGGCTGCCATCTTCCGTTGCCTGCACCCACTGCTGGTGGTTGTTTCT
GCCTTACCCGGGACCCCTTACAGCAGCAGTTTGCAGAACCAGGGCAGAAAGTAGACAAGGTGAAGGCATTGCT
GAGCCATGACAGTGGCAGTGACCATTTGGCCTTCGTGCGGGCTGTGGCTGGTGGGAGGAGTACTGCGC
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TCCACGGGCTCATCAAGCAGTTCTCAGAGAACATTTATGAGGCTTCTAGTGGGAAGCCCTCTGACTG
CACACTGCCCTCTGCTCAGTGCAATGAGTACAGCGAGGAAGAGGAGCTGGTGAAGGTGTGCTGATGGCT
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TCCCAGGTGCACCCACTAGCTGTGTGCTCCTAACAGATGGGGACGTGCACATCCGAGATGATGGCGTC
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GCTTTGATATGCGCAAGACAGCTGATGACTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** BC016202
- Insert Size:** 3672 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: [BC016202](#), [AAH16202](#)

RefSeq Size: 3768 bp

RefSeq ORF: 3671 bp

Locus ID: 72831

Cytogenetics: 9 F2

Gene Summary: RNA-dependent helicase (PubMed:25219788). Plays an important role in the assembly of the mitochondrial large ribosomal subunit (By similarity). Required for optimal function of the zinc-finger antiviral protein ZC3HAV1 (By similarity). Associates with mitochondrial DNA (By similarity). Involved in nervous system development and differentiation through its involvement in the up-regulation of a number of genes which are required for neurogenesis, including GSC, NCAM1, neurogenin, and NEUROD (PubMed:25219788).[UniProtKB/Swiss-Prot Function]