

Product datasheet for RN213688

Dhx30 (NM_001013249) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhx30 (NM_001013249) Rat Untagged Clone
Tag: Tag Free
Symbol: Dhx30
Synonyms: MGC109411
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213688 representing NM_001013249
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGTTCCACCTGGACTCATTAGAAAAGATCGGACCCAGCACAGGCAGCGTCAATGCAAGCTTCCCCAC
 CCCGCTTCCACCCATGTGTGCAACCCTGCCCTGGAGGGACCATCTCTCGAGCTTCTAGGGACCTATT
 AAAAGAGTTTCCACAGCCTAAAAACCTTCTCAACAGCGTGATTGGAAGAGCTCTTGGCATCTCACATGCA
 AAAGACAAGCTAGTCTATGTGCACACGAATGGACCGAAGAAAAAGAAAGTCACACTGCACATAAAGTGCC
 CCAAGAGCGTGGAGGTGGAAGGCTATGGCAGCAAGAAGATCGATGCCGAGCGGCAGGCGCGCGGCAGC
 CTGCCAACTCTCAAGGGCTGGGGTCTCCTGGGTCCACGGAATGAGCTGTTTGTATGCAGCCAAATATCGA
 GTGCTAGCTGATCGTTTTGGATCTCCAGCTGACAGCTGGTGGCGCCAGAACCCACCATGCCTCCAACTT
 CCTGGCGGCAGCTGAATCCTGAGAACATACGGCCAGCGGGTACTGGAGGACTGTCCCGATCCTTAGGCCG
 AGAGGAAGAGGAGGATGAGGAGGAAGAGCTAGAAGAGGGGACCATTGATGTGACGGAGTTTTTGTCCATG
 ACCCAGCAAGACTCCCACAACCCACTCAGGGACTCAAGGGGGGGCTCCTTTGAAATGACAGATGATGACA
 GTGCTATTAGAGCTCTGACCCAGTTTCCACTTCCCAAGAACCTTCTGGCCAAAGTGATTGATTGCAAC
 ATCTTCTCCACAGCTAAGAACCTCATGCAGTTCCATACTGTGGGTACCAAGACCAAGCTGGCTACACTC
 ACTCTGCTCTGGCCCTGTCCATGACCTTTGTGCGCAAAGGGCGCCGCAAGCTGAGGCTGAGAATAAGG
 CAGCAGCCTTGGCTTGAAGAACTGAAGAGCCTGGGCCTTGTGGACAGAAACAATGAGCCACTTACCCA
 TGCCATGTACAACCTGGCTTCCCTGCGTGAGTTGGGTGAGACCCAGCGCCGCCATGTACCATCCAGGTG
 CCTGAGCCATCCTTCGCAAGATAGAGGCCCTTCTGAGTCATTACCCGGTGGACAGTTTATGGATTTCCC
 CAGAACTCCGGCTGCAGAGTGATGACATCTTGGCCTTAGGCAAGGACTCAGGGCCCTTGGTACCCCTAT
 CACAGGCAAGCCATACATGCCCTGTCAGAAGCAGAGGAGGTGCGCTGAGCCAGAGCCTGCTAGAGCTG
 TGGCGGAGGAGAGGGCAATCTGGCAGGAGGCCCCAGCTACCTGTGGACCCTCATCGGACACTATCC
 TCAAGTGCATTGAACAACCCAGTGGTAGTCATCTCTGGGGACACAGGCTGTGGGAAGACCACGCGTAT
 CCCTCAGCTGCTATTGGAGCGCTATGTGACTGAGGGTTCGAGGTGCCCGTGAATGTGATCATCACAA
 CCTCGCGGAATCTCAGCTGTGTCTGTGGCCAGCGGTGAGCCATGAACTGGGACCCTCCTTGGCGCGGA



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ATGTGGGCTTCCAGGTACGCTTGAAAGCAAGCCTCCAGCCCAGGTGGGGCGCTGCTCTTCTGCACTGT
 GGGTATCTGCTTCGAAAGCTGCAGAGCAACCCAGCCTGGAGGGTGTGAGCCACGTATTGTGGATGAG
 GTCCATGAGCGGGATGTGAACACAGACTTCTGCTGATTCTGCTCAAGGGCTGCAGCGGCTCAACCCAG
 CCCTTCGGCTGGTGTCTATGAGTGTACAGGAGATAATGAGCGCTTTTCCCGTACTTTGGGGCTGCC
 TGTCAACAAGTACCTGGCTTATGTATCCTGTCAAGGAACACTACCTAGAGGACATCTTGGCCAAGCTG
 GGTAACACCAGTACCCACACCGGCACCGCACCATGAGTCTGAAGATGAGTGTGCACTGATTTGGACC
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 TTGGCAAGAAATCAAAGGAGTGCAACAGCGGCTGCAGGAAGCCCTGGGCATGCATGAGAGCAAGTACCTT
 ATCCTACCAGTGCACCTCAATATCCCCATGATGGACCAGAAGGCCATATTCCAACAGCCTCCACTTGGGG
 TGCGCAAGATTGTATTGGCCACCAACATTGCTGAAACCTCCATCACAGTTAACGACATCGTGCATGTCGT
 GGACAGCGGTCTGCACAAAGAAGAACGCTATGACCTGAAGACCAAGGTGTCTGCCTGGAGACCGTGTGG
 GTGTGAGAGCAAATGTATTACAGCGCCGGGCGAGGCGAGGCGCTGCCAGTCAAGTGTGCTTACCCT
 TGTTCCCGAGGAGCCGGCTGGAGAAAATGGTTCCTTTCCAAGTCCAGAGATCCTGCGCACACCTCTTGA
 GAACCTGGTGTGCAAGCCAAAATCCACATGCCTGAGAAGACGGCAGTGGAGTTCCTCTCTAAGGCTGTG
 GACAGTCCAAATATCAAGGCAGTGGATGAGGCCGTGATACTGCTCCAGGAGATTGGGGTGTGGACCAGC
 GGGAGTACCTGACTACCTTGGGGCAGCGCCTGGCCACATCTCTACTGATCCCGGACTGGCCAAGGCCAT
 AGTGTGGCTGCCATCTTCCGTTGCCTGCACCCACTGCTGGTGGTGTTCCTGCCTTACCCGGGACCCC
 TTCAGCAGCAGTTTGCAGAACCGGGCAGAGGTAGACAAGGTGAAGGCATTGCTGAGCCATGACAGTGGCA
 GTGACCATTTGGCCTTGTGCGGGCTGTGGCTGGTGGAGGAGTACTGCGCTGGCAGGACCGTACCTC
 CAGGAAAACTACCTGGAAGAAAACCTTCTGTATGCCCCAGCTTGCCTTATCCACGGGCTCATCAAG
 CAGTTCCTCAGAGAATATTTACGAGGCCCTTCTAGTGGGAAAGCCCTCTGACTGCACACTGCCCTGTCTC
 AGTGCAATGAGTACAGCGAGGAAGAGGAGCTGGTGAAGGGTGTGCTGATGGCTGGCCTTACCCCAACCT
 CATCCAGGTGAGGCAAGGTAAGGTTACTCGGCAAGGCAAGTTCAAACCAACAGTGTCACTACAGGCACC
 AAATCTGGCAACATCTTGTGTCACAAGTCAACCATTAACAGGGAGGCCACCCGTTACGGAGCCGATGGC
 TGACATATTTTATGGCCGTCAAGTCCAATGGTAGCGTCTTTGTTTCGAGATTCTTCCAGGTGCACCCACT
 AGCTGTGTTGCTCCTAACAGATGGGGACGTGCACATTCGAGATGACGGACGTGCGGCCACCATTTCAGTG
 AGTGACAGTGCCTGCTGCGGCTGGAAGGTGATTCACGAACTGTGCGGTTGCTAAGGGAGCTTCGGCGGG
 CCCTAGGAAGGATGGTGGAGCGGAGCCTCCGCAGCGAGCTGGCTGCACCTCTCTTAGTGTGCAGCAAGA
 ACACGGGCAGCTGCTTGCCTGCTGGCAGAGCTACTGCGGGGACCTTGTGGCAGCTTTGACGTGCGCAAG
 ACAGCTGATGACTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001013249

Insert Size:

3585 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_001013249.1](#), [NP_001013267.1](#)

RefSeq Size: 3853 bp

RefSeq ORF: 3585 bp

Locus ID: 367172

UniProt ID: [Q5BJS0](#)

Cytogenetics: 8q32

Gene Summary: RNA-dependent helicase (By similarity). Plays an important role in the assembly of the mitochondrial large ribosomal subunit (By similarity). Associates with mitochondrial DNA (By similarity). Required for optimal function of the zinc-finger antiviral protein ZC3HAV1 (PubMed:21204022). 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 (By similarity).[UniProtKB/Swiss-Prot Function]