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Product datasheet for MC229462

Dhx30 (NM_001252682) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx30 (NM_001252682) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhx30
Synonyms:	2810477H02Rik; C130058C04Rik; Ddx30; HELG; Ret-CoR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229462 representing NM_001252682 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTCAGCTTGGACTCATTCAGAAAAGATCGGACCCAGCACAGGCAGCGTCAATGCAAGCTTCCCCCAC CCCGTCTTCCACCCATGTGTGTCAACCCTGCCCCTGGAGGGACCATCACTCGAGCTTCTAGGGACCTATT AAAAGAGTTTCCGCAGCCTAAAAACCTTCTCAACAGCGTGATTGGAAGAGCCCTTGGCATCTCACATGCA AAAGACAAGTTAGTCTATGTGCACACGAATGGACCGAAGAAAAAGAAAGTCACCCTGCACATAAAGTGGC CCAAGAGCGTGGAGGTGGAAGGCTATGGCAGCAAGAAGATTGATGCTGAGCGTCAGGCTGCAGCAGCTGC CTGCCAACTCTTCAAGGGCTGGGGTCTGCTGGGACCACGGAATGAGCTGTTTGATGCAGCTAAATACCGA GTGCTAGCTGATCGTTTTGGGTCTCCAGCTGACAGCTGGTGGCGCCCAGAACCCACCATGCCTCCAACTT CCTGGCGGCAGCTGAATCCTGAGAACATTCGGCCAGGGGGTCCTGCAGGACTATCCCGATCCTTAGGCCG AGAGGAAGAGGAAGATGAGGAGGAAGAGCTAGAAGAGGGGACCATTGATGTGACAGAGTTTCTGTCTATG ACCCAGCAAGACTCCCACAACCCACTCAGGGACTCAAGGGGGGGCTCCTTTGAAATGACAGATGATGACA GTGCTATCAGAGCTCTGACCCAGTTTCCACTTCCCAAGAACCTCCTGGCCAAAGTGATTCAGATTGCAAC CTCCTCCTCCACAGCTAAGAATCTCATGCAGTTCCATACTGTGGGTACCAAGACCAAGCTGGCTACACTC ACTCTGCTCTGGCCCTGTCCCATGACCTTTGTTGCCAAAGGGCGACGCAAAGCTGAGGCTGAGAATAAGG CAGCAGCCTTGGCTTGCAAGAAACTGAAGAGCCTTGGCCTTGTGGACAGGAACAATGAGCCGCTTACCCA TGCCATGTACAACCTGGCCTCCCTGCGTGAGTTGGGTGAGACCCAGCGCCGGCCATGTACCATCCAGGTG CCTGAGCCCATCCTTCGCAAGATAGAGGCCTTCCTGAGTCATTACCCGGTGGACAGCTCATGGATTTCCC CAGAACTCCGACTGCAGAGTGATGACATCTTGCCCTTAGGCAAGGACTCAGGGCCCTTGAGTGACCCTAT CACAGGCAAGCCATACATGCCCCTGTCAGAAGCAGAGGAGGTGCGCTTAAGCCAGAGCCTGCTAGAGCTG TGGCGGAGGAGAGGGCCGATCTGGCAGGAGGCCCCGCAGCTACCTGTAGACCCTCATCGGGACACTATCC TCAGTGCCATTGAACAACACCCAGTGGTAGTCATCTCTGGGGACACAGGCTGTGGGAAGACCACACGTAT CCCTCAGCTGCTATTGGAGCGCTATGTGACTGAGGGTCGAGGTGCCCGCTGCAATGTGATCATCACACAA CCTCGCCGGATCTCAGCTGTGTCTGTGGCACAGCGGGTCAGCCATGAACTGGGCCCCTCCTTGCGCCGGA

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ACACGGGCAGCTGCTTGCACTGCTGGCAGAGTTGCTTCGAGGACCTTGTGGCAGCTTTGATATGCGCAAG
ACAGCTGATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001252682
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252682.1, NP_001239611.1
RefSeq Size:	4228 bp
RefSeq ORF:	3585 bp
Locus ID:	72831
UniProt ID:	Q99PU8
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the shortest isoform (1).