

Product datasheet for **MC204122**

Ddx39b (NM_019693) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx39b (NM_019693) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddx39b
Synonyms:	0610030D10Rik; AI428441; Bat-1; Bat1; Bat1a; D6S81Eh; D17H6S81E; D17H6S81E-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC024859
 GCACCATCCACCGCCATCTGCTTCTCCCGGGCTCGCCCCGCGCGGGTCCCTGATACCCGGTGCCGG
 GCCGGCGCGTGGCCGCCGGCGCGCAGGCGGGCGTCCAGTTCTGTTGTCTTACCCTTTCTGAGAGCAG
 ATCTTGGCGGGGAGCTGGGAGACAAGGGGGAAACGATCCAAAATGGTGGCTCGGCCGCATTGTGTCTC
 CGCGCTTCTGGGTGTTCCAGTGGTCTCTGCCACCCGGGGCCGCGCGGGCCGAGGCGCGCCAGGA
 GGAGGGCGGGGCCCTCGCATCTCCCCTCGGGCCTTTTCTTGTCTCGCCAGGGATGGGAAGATCTCGCT
 CCGGGCCCGTCCAGCCCTTTGACCCCGCTTTCGCTGCCTTATTTGGAGCTCTCTGTGAATGGTCCCTC
 TGTGCGTGGCCGATGGTGTGCGCACTTCTGGGAAGCTTTCCGAGAGCACTGCAAGGCTTCCTTTCT
 AAGGCCACCCGGCTCACACTCTTAATCCTGCATCGTTCTCAGCTGTGACCTTAATTCCTTAGTGCGACTT
 TAAAAATTAACCTTGGCAGCGCTGAGCCGAACCTTGCGGCTCTCGGTTACTAAGCAAGCACTGCCATT
 GAACTGCACACCCATCTTTTTCAAAACAAAAAATTTTTTTTTTTCTTGAAATGGAGCCATTACATACAC
 TCCCACCCTCCGCCCGCACCACCCTCCTTCTGCTTCTGTTCCCGGTCCAGGTGTGCGCCGCTGGGA
 CGGCCACTCGGGGTTTCTGAGCAAGAGAATAGCGGCAGCCACATGATGTTTGCATTTGGGAAGTGAGCG
 CTCTGCGCAGTGTGACCCTTATCTATACCCTTGACTGATGGCTGACGTTGGGGATCACCACCGTGAGG
 TGGCAGGAGAAAGCGCAGTCTCTGTCTTCCCTTGCCTTTGTGTCTCAACCTCGTGTGAGTCGTTAGTC
 ACGCTCATTTTACTGCGTCTCCAGTTGGCTCCTGCCTGTCAAGTGTGTGTTACAAAGTCTGGTTAGC
 GGTGGAGCCCACTCTGTCTCTCCGCTCTGGTGTCCCGTTTTCTATGTCATGAGTCTTTTGTAACTCT
 TCTTTCCGGACAAAGTTTACAGTTTAGGGAAGAATAGGACGGGTGTAGGGATCGACGAGAAGTGACGA
 GTCCATTCTGAGTGTGAGTTTTTCCGGTTTTTTGTTGTCCTCTCCAGCTCTTCTGTGCGAAACT
 GGTGTCTTTCCCTTGTGTTCTCAACCCCTCTTTGGCCCTTGTCTTCTCACCTGCTCTGGGACACC
 TAACTCAAGAGACCTCCCTTCTCCCTGCCGGCCCAATTATGGCAGAGAACGATGTGGACAATGAGCTC
 TTGGACTACGAAGACGACGAGGTGGAGACAGCCGCTGGGGCAGATGGGACCGAGGCTCCCGCCAAAGAAAG
 ACGTCAAGGGCTCCTACGTCTCCATCCACAGCTCCGGCTTCCGAGATTTTCTACTCAAGCAGAGCTGCT
 CCGGGCCATCGTTGACTGTGGCTTTGAGCATCCATCAGAGGTCCAGCATGAGTGCATCCCGCAGGCATT
 CTGGGGATGGATGCTGTGCCAGGCCAAGTCAGGCATGGGAAAAACAGCAGTGTGTTGCTTGGCCACAC
 TGCAGCAGCTGGAGCCGTTACTGGGCAGGTGTCTGTGCTGGTGTGTGTGACACTAGGGAGCTGGCTTT
 TCAGATCAGCAAGGAATATGAGCGCTTCTAAGTACATGCCGAATGTCAAGGTGGCAGTGTTTTTGGC
 GGTCTGTCTAACAAGGACGAAGAGGTGCTGAAGAAGAAGTCCACACATCGTGTGGGACTCCTG
 GCCGAATTCTAGCCCTGGCTCGAAATAAGAGCCTGAACCTCAAACACATTAACACTTTATTTGGACGA
 GTGTGACAAGATGCTTGAACAGCTCGACATGCGTCCGGATGTCCAGGAAATTTTCGCATGACCCCCAT
 GAGAAGCAGGTGATGATGTTTCAAGTGTACCTTGAAGAGATCCGCCAGTCTGCCGCAAGTTTATGC
 AAGATCCTATGGAGATCTTCGTGGATGACGAGACCAAGTTGACGCTGCACGGGTTGCAGCAGTACTACGT
 GAAACTGAAGGACAACGAGAAGAACCAGGACTTTTGTATCTTCTCGATGTCCTCGAGTTCAACCAGGTG
 GTGATCTTTGTGAAGTCCGTGCAGCGCTGCATCGCCCTGGCCAGCTTCTAGTGGAAACAGAACTCCAG
 CCATTGCTATCCATCGTGAATGCCCCAGGAGGAGGGCTCTCTCGGTATCAGCAGTTCAAGGATTTTCA
 GCGGAGGATTCTGTGGCTACCAACCTGTTTGGCCGAGGCATGGATATTGAGCGTGTGAACATTGCTTTC
 AACTATGACATGCCAGAGGACTCGGACACCTACCTGCACAGGGTGGCCAGAGCGGGCCGTTTGGCACCA
 AGGGCTTGGCCATCACATTTGTGTGAGATGAGAATGATGCCAAGATCCTGAATGACGTTTCAAGGACGTTT
 CGAGGTCAACATCAGCGAGCTGCCCGATGAGATTGACATTTCTCTACATTGAGCAGACACGGTAGAGG
 ACTCGCGTGGTCACTGCTGTAGAAGAGACAGGGTCAAGGAGAGACTGCCGCCACCCGACACC
 GACGCCTCTGCCACCCTATCTATGCTTCTCTGCGTCAACCACCTCTAAACCTAGTCTGATTTAT
 CAGAGTTGTTGTTGTTGTTTGTGTTTTTAACAAAATAAGAATGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_019693
Insert Size: 1287 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:	<ol style="list-style-type: none">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:	BC024859 , AAH24859
RefSeq Size:	2863 bp
RefSeq ORF:	1287 bp
Locus ID:	53817
UniProt ID:	Q9Z1N5
Cytogenetics:	17 18.6 cM
Gene Summary:	<p>Involved in nuclear export of spliced and unspliced mRNA. Assembling component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway. May undergo several rounds of ATP hydrolysis during assembly of TREX to drive subsequent loading of components such as ALYREF/THOC and CHTOP onto mRNA. Also associates with pre-mRNA independent of ALYREF/THOC4 and the THO complex. Involved in the nuclear export of intronless mRNA; the ATP-bound form is proposed to recruit export adapter ALYREF/THOC4 to intronless mRNA; its ATPase activity is cooperatively stimulated by RNA and ALYREF/THOC4 and ATP hydrolysis is thought to trigger the dissociation from RNA to allow the association of ALYREF/THOC4 and the NXF1-NXT1 heterodimer. Involved in transcription elongation and genome stability (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>