

Product datasheet for RN203564

Ddx39b (NM_133300) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ddx39b (NM_133300) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Ddx39b
 Synonyms: Bat1; Bat1a; p47
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN203564 representing NM_133300
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGAGAACGATGTGGACAATGAGCTCTTGGACTATGAAGACGATGAGGTGGAGACGGCCGCTGGGG
 CAGATGGGACCGAAGCTCCCGCAAGAAAGACGTCAAGGGCTCCTATGTCTCCATCCACAGCTCCGGCTT
 TCGAGATTTCTACTTAAGCCAGAGTTGCTCCGGGCCATTGTTGACTGTGGCTTTGAGCATCCATCAGAG
 GTCCAGCATGAATGCATCCCCAGGCCATTCTGGGGATGGATGTCTGTGCCAGGCCAAGTCAGGCATGG
 GAAAAACAGCAGTGTGGTCTGGCCACACTGCAGCAGCTGGAGCCAGTTACTGGGCAGGTGTCAGTGCT
 GGTGATGTGTACACCAGGGAGCTGGCTTTCCAGATCAGCAAGGAATATGAGCGCTTCTCAAAGTACATG
 CCGAATGTCAAGGTGGCAGTGTGGGGACTGTCTATCAAGAAGGATGAAGAGGTGCTGAAGAAGA
 ACTGCCACACATTGTTGTGGGGACTCCTGGCCGAATCTAGCCCTGGCCGAAATAAGAGCCTGAACCT
 CAAACACATTAACACTTTATCTTGGACGAATGTGACAAGATGCTTGAACAGCTCGCATGCGTCGGGAT
 GTCCAGGAAATTTTTCGCATGACCCCCATGAGAAGCAGGTGATGATGTTGAGTGTACCTGAGCAAAG
 AGATCCGCCAGTGTGCCGAAGTTCATGCAAGATCCTATGGAGATCTTCGTGGATGACGAGACCAAGTT
 GACGCTGCACGGTTGCAGCAATACTACGTGAACTGAAGGACAACGAGAAGAACCAGGAACTCTTTGAC
 CTTCTCGATGTCCTCGAGTTCAACCAGGTTGTGATCTTTGTGAAGTCCGTGCAGCGCTGCATCGCCTTGG
 CCCAGCTTCTAGTGGAGCAGAACTCCAGCCATTGCTATCCACCAGGGATGCCCCAGGAGGAGAGGCT
 CTCTCGGTATCAGCAGTTCAAGGATTTTCAGCGGAGGATACTTGTGGCTACCAACCTGTTTGGCCGTGGC
 ATGGACATTGAGCGCGTGAACATCGCTTCAACTATGACATGCCAGAGGACTCCGACACCTACCTGCACA
 GGGTGGCCAGAGCGGGCCGTTTGGACCAAGGGCTTGGCCATCACATTTGTGTCAGACGAGAACGATGC
 CAAGATCCTGAATGACGTGCAGGACCGTTTCGAGGTCAACATCAGTGAGTGCAGGATGAGATCGACATT
 TCCTCCTACATTGAACAGACACGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_133300
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:	NM_133300.3 , NP_579834.2
RefSeq Size:	1711 bp
RefSeq ORF:	1287 bp
Locus ID:	114612
UniProt ID:	Q63413
Cytogenetics:	20p12
Gene Summary:	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]