

Product datasheet for **RG201759**

DDX39 (DDX39A) (NM_005804) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX39 (DDX39A) (NM_005804) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX39
Synonyms:	BAT1; BAT1L; DDX39; DDXL; URH49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201759 representing NM_005804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAACAGGATGTGGAAAACGATCTTTGGATTACGATGAAGAGGAAGAGCCCCAGGCTCCTCAAG
AGAGCACACCAGCTCCCCCTAAGAAAGACATCAAGGGATCCTACGTTTCCATCCACAGCTCTGGCTTCCG
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CAGCATGAGTGCATTCCCAGGCCATCCTGGGCATGGACGTCCTGTGCCAGGCCAAGTCCGGGATGGCA
AGACAGCGGTCTTCGTGCTGGCCACCCTACAGCAGATTGAGCCTGTCAACGGACAGGTGACGGTCTGGT
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GAATGTGAAGCACTTTGTGCTGGACGAGTGTGACAAGATGCTGGAGCAGCTGGACATGCGGCGGGATGTG
CAGGAGATCTTCCGCCTGACACCACAGAGAAGCAGTGCATGATGTTCAAGCCACCCTGAGCAAGGACA
TCCGGCCTGTGTGAGGAAGTTCATGCAGGATCCCATGGAGGTGTTGTGGACGACGAGACCAAGCTCAC
GCTGCACGGCCTGCAGCAGTACTACGTCAAACCTCAAAGACAGTGAAGAAGAACCGCAAGCTCTTTGATCTC
TTGGATGTGCTGGAGTTTAAACAGGTGATAATCTTCGTCAAGTCAAGTGCAGCGCTGCATGGCCCTGGCC
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ACGCTATCAGCAGTTCAAGGATTTCCAGCGCGGATCCTGGTGGCCACCAATCTGTTGGCCGGGGATG
GACATCGAGCGAGTCAACATCGTCTTTAACTACGACATGCCTGAGGACTCGGACACCTACCTGCACCGGG
TGGCCCGGGCGGTGCTTTGGACCAAAGGCCTAGCCATCACTTTTGTGCTGACGAGAATGATGCCAA
AATCCTCAATGACGTCCAGGACCGTTTGAAGTTAATGTGGCAGAACTTCCAGAGGAAATCGACATCTCC
ACATACATCGAGCAGAGCCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201759 representing NM_005804
Red=Cloning site Green=Tags(s)

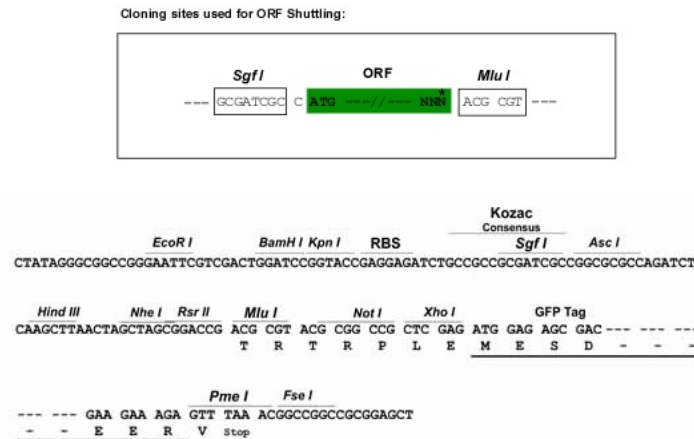
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MAEQDVENDLLDYDEEEEPQAPQESTPAPPKDKIKGSYVSIHSSGFRDFLLKPELLRAIVDCGFHPSEV
QHECIPQAILGMDVLCQAKSGMGKTAVFVLTALQQIEPVNGQVTVLVMCHTRELAFQISKEYERFSKYMP
SVKVSVFFGGLSIKKDEEVLKKNCPHVVVGTPGRILALVRNRSFSLKNVKhFVLDECCKMLEQLDMRRDV
QEIFRLTPHEKQCMFSA TL SKDIRPVC RKF MQDPMEVFV DDETKL TLHGLQQYYVVKLDSEKNRKLFDL
LDVLEFNQVIIIFVKSQRCMALAQLLVEQNFP AIAIHRGMAQEERLSRYQQFKDFQRRILVATNLFGRGM
DIERNIVFNYPEDSDTYLHRVARAGRFGTKGLAITFVSDENAKILNDVQDRFEVNV AELPEEIDIS
TYIEQSR
```

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_005804

ORF Size: 1281 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_005804.4](#)

RefSeq Size: 1534 bp

RefSeq ORF: 1284 bp

Locus ID: 10212

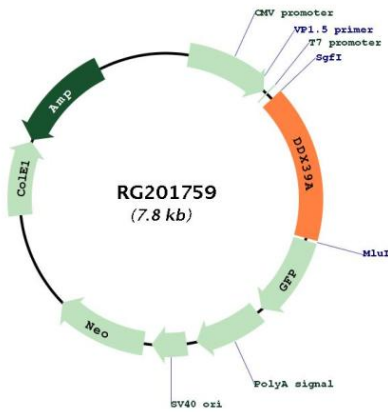
UniProt ID: [O00148](#)

Cytogenetics: 19p13.12

Domains: DEAD, helicase_C

Gene Summary: This gene encodes a member of the DEAD box protein family. These proteins are characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD) and are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene is thought to play a role in the prognosis of patients with gastrointestinal stromal tumors. A pseudogene of this gene is present on chromosome 13. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]

Product images:



Circular map for RG201759