

Product datasheet for **RG207253**

DDX51 (NM_175066) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX51 (NM_175066) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG207253 representing NM_175066
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGCTGTTCTACGTCGCGCGGTACCCGGGCCCGATGCGGCAGCTGCGGCGGGGCCGAGGGCGCGG
 AGGCCGGGGCGCACGGCAGGGCCCGCGCTGCTCGAGCGGCTGCAGAGCCAGGCCCGCAACGGCAGCA
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 CGGCACGAGCTCTCCAGCAAGCTGCTGCAGCCGCTGGTTCCTCGGTACGAGGAGGCCCTGTCCAAGCTGG
 AGGAGTCTGTCAAGGAAGAGCGCAAGCAGAGGGCGGCC

ACGCGTACGCGGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207253 representing NM_175066
 Red=Cloning site Green=Tags(s)

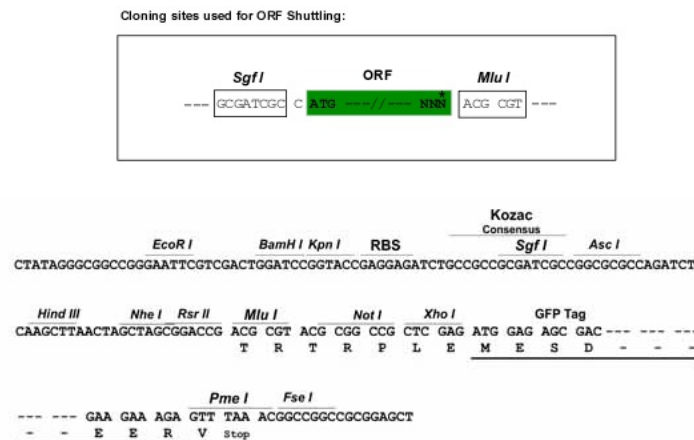
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 PQMPLQKLLFSATLTQNPEKLQQLGLHQPLFSTGLAHRGLEDTDGDDSGKYAFVGLTHHYVPCSLSS
 KPLVVLHLVLEMGFSRVLCFTNSRENSHRLFLVQAFGGVDVAEFSSRYGPGQRRMILKQFEQGIQLLI
 STDATARGIDVQVELVVNYDAPQYLRTYVHRVGRTARAGKTGQAFTELLKQERRFLRMLTEAGAPELQ
 RHELSSKLLQPLVPRYEEALSKLEESVKEERKQRAA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_175066

ORF Size: 1998 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_175066.2](#), [NP_778236.1](#)

RefSeq Size: 2802 bp

RefSeq ORF: 2001 bp

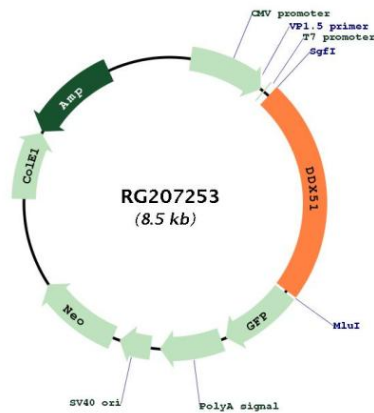
Locus ID: 317781

UniProt ID: [Q8N8A6](#)

Cytogenetics: 12q24.33

Gene Summary: ATP-binding RNA helicase involved in the biogenesis of 60S ribosomal subunits.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207253