

## **Product datasheet for RC200760L3**

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OriGene Technologies, Inc.

### DDX19B (NM\_007242) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** DDX19B (NM\_007242) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: DDX19B

Synonyms: DBP5; DDX19; RNAh

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clor

Sequence:

The ORF insert of this clone is exactly the same as(RC200760).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_007242

ORF Size: 1437 bp





#### DDX19B (NM\_007242) Human Tagged Lenti ORF Clone - RC200760L3

**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:** <u>NM 007242.4</u>

RefSeq Size: 1829 bp
RefSeq ORF: 1440 bp
Locus ID: 11269
UniProt ID: Q9UMR2
Cytogenetics: 16q22.1

**Domains:** DEAD, helicase C

**MW:** 53.9 kDa

**Gene Summary:** DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), 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 this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. This

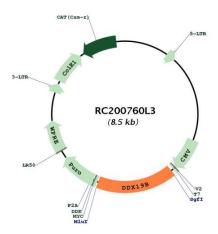
protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it

participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul

2008]



# **Product images:**



Circular map for RC200760L3