

## **Product datasheet for RR200102L3**

## Bicd2 (NM\_198765) Rat Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Bicd2 (NM\_198765) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Bicd2

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF

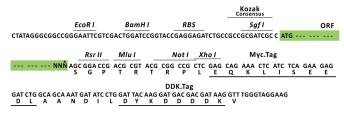
The ORF insert of this clone is exactly the same as(RR200102).

Sequence:

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





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

**ACCN:** NM\_198765 **ORF Size:** 2460 bp



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## Bicd2 (NM\_198765) Rat Tagged Lenti ORF Clone - RR200102L3

**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 198765.3</u>, <u>NP 942060.1</u>

17p14

 RefSeq Size:
 4589 bp

 RefSeq ORF:
 2463 bp

 Locus ID:
 306809

Cytogenetics:

**Gene Summary:** This gene encodes a dynein-dynactin adaptor protein. In mouse, the protein primarily

localizes to the Golgi complex as well as to microtubule plus ends through dynactin. Overexpression studies suggest that the N-terminus mediates the dynamic dynactin

interaction, while the C-terminus is responsible for Golgi targeting. Knockout of this gene in mouse results in a defect in cerebellar granule cell migration. In human, mutations in this gene are associated with spinal muscular dystrophy. Alternative splicing results in multiple

transcript variants. [provided by RefSeq, Mar 2015]