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Product datasheet for RR200101L3V

Bicd2 (NM_001033674) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bicd2 (NM_001033674) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Bicd2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001033674
ORF Size:	2553 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200101).
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.
RefSeq:	NM_001033674.2, NP_001028846.1
RefSeq Size:	6324 bp
RefSeq ORF:	2556 bp
Locus ID:	306809
Cytogenetics:	17p14

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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 dynein-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]

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