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Product datasheet for RC217365

KIF1B (NM_015074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF1B (NM_015074) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIF1B
Synonyms:	CMT2; CMT2A; CMT2A1; HMSNII; KLP; NBLST1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC217365 representing NM_015074
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC217365 representing NM_015074
Red=Cloning site Green=Tags(s)

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Restriction Sites: SgfI-MluI

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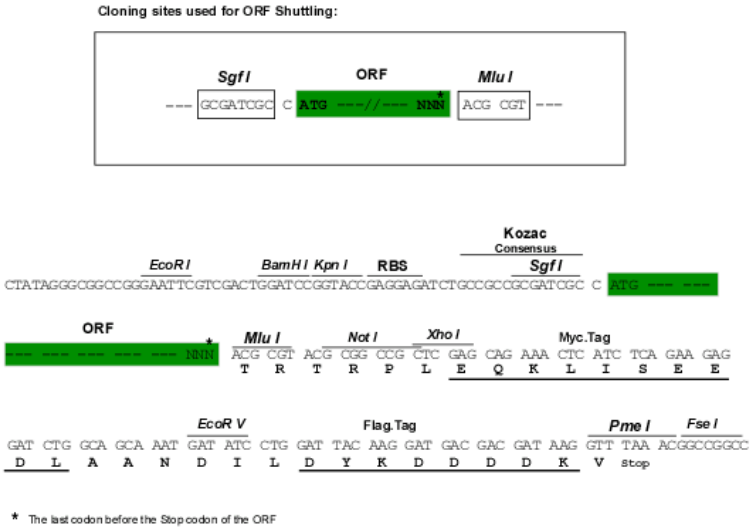
Cloning Scheme:



ACCN:	NM_015074
ORF Size:	5310 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).

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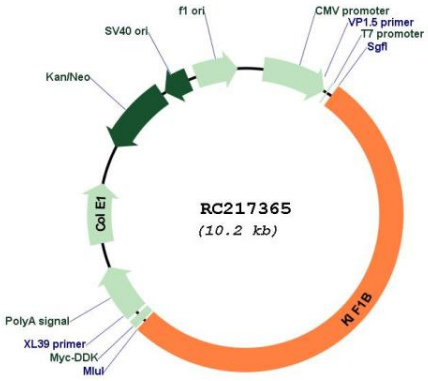
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_015074.3, NP_055889.2
RefSeq Size:	10585 bp
RefSeq ORF:	5313 bp
Locus ID:	23095
UniProt ID:	O60333
Cytogenetics:	1p36.22
Domains:	FHA, kinesin, PH
Protein Families:	Druggable Genome
MW:	199.3 kDa
Gene Summary:	This gene encodes a motor protein that transports mitochondria and synaptic vesicle precursors. Mutations in this gene cause Charcot-Marie-Tooth disease, type 2A1. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC217365

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