

Product datasheet for RC217610

KIF21A (NM_017641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF21A (NM_017641) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIF21A
Synonyms:	CFEOM1; FEOM1; FEOM3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217610 representing NM_017641 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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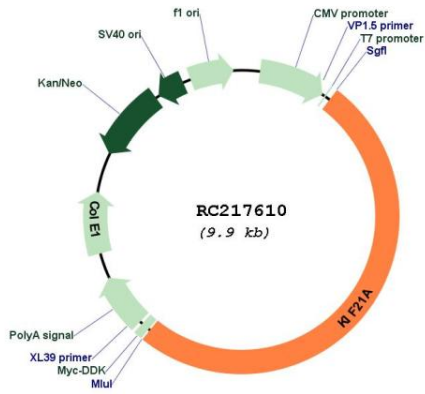


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 TATTGCCAGTAAT

ACCN:	NM_017641
ORF Size:	4983 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:	<ol style="list-style-type: none">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_017641.4
RefSeq Size:	6335 bp
RefSeq ORF:	4986 bp
Locus ID:	55605
UniProt ID:	Q7Z4S6
Cytogenetics:	12q12
Protein Families:	Druggable Genome
MW:	185.3 kDa
Gene Summary:	This gene encodes a member of the KIF4 subfamily of kinesin-like motor proteins. The encoded protein is characterized by an N-terminal motor domain a coiled-coil stalk domain and a C-terminal WD-40 repeat domain. This protein may be involved in microtubule dependent transport. Mutations in this gene are the cause of congenital fibrosis of extraocular muscles-1. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2010]

Product images:



Circular map for RC217610