

Product datasheet for **RN217121**

Kif3a (NM_053377) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif3a (NM_053377) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif3a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217121 representing NM_053377
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGATCAATAAATCAGAGAAGCCAGAAAGCTGCGACAACGTGAAGGTAGTTGTCAGGTGCCGACCTC
 TCAACGAGAGAGAAAATCAATGTGCTACAGACAGGCCGTCAGCGTGGATGAAATGCGGGGGACTATCAC
 CGTCCATAAGACCGACTCTTCCAACGAACCTCCGAAGACATTTACTTTTCGATACTGTTTTGGACCAGAG
 AGTAAACAACCTTGATGTATATAACTTGACTGCAAGACCAATTATTGATTCTGTCCTGGAAGGCTACAATG
 GGACCATTTTTGCATATGGACAGACTGGGACAGGCAAGACTTTCACCATGGAAGGTGTTTCGAGCAGTGCC
 GGGGCTCAGAGGGGTATCCCAACTCATTGCTCACATATTTGGTCATATCGCAAAAGCAGAGGGCGAC
 ACAAGTTTCTGGTTCGAGTGTACTTAGAGATATATAATGAAGAAGTCCGAGACCTTCTGGGTAAG
 ATCAGACACAGAGTTGGAGTTAAAGAAAGCCCTGACGTGGGAGTATATATCAAAGATTTATCAGCATA
 TGTAGTCAACAATGCTGACGACATGGATAGAATCATGACTCTGGGCCACAAAACCGTTCGGTTGGTGCG
 ACCAATATGAACGAGCACAGTTCGGATCGCACGCCATCTTACAATTACAATCGAGTGCAGCGAGAAAAG
 GCGTGGATGGAACATGCACGTCAGGATGGGGAAGCTCCACCTTGTGGATCTGCTGGGTGAGAAAGACA
 AGCAAAAAGTGGAGCCACAGGGCAGCGCTCAAAGAAGCTACAAAATCAACCTTTCATTGTCTACCTTG
 GGCAATGTCATTTCTGCCTTGGTGGATGGAAAAAGCACTCATGTGCCGTATCGGAACTCTAAACTGACAC
 GTCTCTCGAGGATTCCTTAGGAGGAACTCAAAAACCATGATGTGTGCAAAATATGGGCCAGCAGATTA
 TAATTATGATGAAACCATCAGTACCTTGGCGTATGCCAACCGCCAAGAACATTAAGAAAGCTAGA
 ATTAACGAAGACCCAAAGGACGCTCTGCTTCGCCAGTTTCAGAAAGAAATAGAAGAGTGAAGAAAAAGC
 TTGAGGAAGGGGAAGAAGTGTGAGGCTGACATCAGTGGGTGAGGAGGATGACAACGAGGAGGTGA
 ACTTGGAGAAGATGGAGAAAAAGGAAAAAGAGAAGGGACCAAGCAGGTAAAAAGAAAGTTTCCCCAGAT
 AAGATGATGGAATGCAAGCGAAAATTGATGAGGAGAGAAAAGCACTGGAACCAAACTCGACATGGAGG
 AAGAAGAAAGAAACAAGGCTAGAGCTGAGCTGGAGCGACGGGAGAAGGACCTTCTGAAAGCCCAACAAGA
 GCATCAGTCTTTGCTGGAAAACTGTCTGCGCTGGAGAAGAAGGTGATTGTGCGTGGTGTGGACTTGTG
 GCCAAAGCTGAGGAGCAAGAGAAGCTTCTCGAGGAGTCCAATATGGAGCTGGAGGAGCGGAGGAAAAAG
 CTGAGCAACTTCGAAAGAACTAGAGGAAAAAGAGCAAGAACGCTGGACATCGAGGAAAAATATACCAG
 TCTGCAAGAGGAGGCACAAGGAAAGACCAAGAAATTAAGAAAGTCTGGACCATGCTGATGGCTGCAAG
 TCAGAGATGGCTGATCTCCAGCAAGAGCATCAGAGGAAATTAAGGCCTCTGGAGAACATTTCGCAGC
 TCAGCCGTGAGCTCCGACTTCAGATGCTCATATTGATAACTTCATACCTCAGGACTACCAGGAAATGAT
 TGAAACTACGTCCACTGGAATGAAGACATAGGAGAATGGCAGCTGAAATGTGTGGCCTACACAGGAAAT
 AACATGAGGAAACAACTCCAGTCCCTGACAAGAAGGAGAGAGACCCATTTGAAGTAGACCTTTCCACG
 TGTACCTCGCCTATACAGAGGAGAGTTTGCCTCAGTCTCTGATGAAGTTAGAAAGGCCACGGACCTCAA
 GGGAAAGGCCAGGCCAAAGACCGGTAGAAGAAAGCGTTCTGCAAAGCCTGAGACCCTAATTGATTCTTTA
 CTT**CAGTAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053377

Insert Size: 2109 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_053377.1</u> , <u>NP_445829.1</u>
RefSeq Size:	2279 bp
RefSeq ORF:	2109 bp
Locus ID:	84392
Cytogenetics:	10q22
Gene Summary:	mouse homolog is a molecular motor protein involved in the development of primary cilia [RGD, Feb 2006]