

Product datasheet for **RN217126**

Kif2a (NM_053376) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif2a (NM_053376) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kif2a
Synonyms:	Kif2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217126 representing NM_053376
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACGGCTAACTTCGGCAAGATCCAGATCGGGATTTACGTGAAATCAAGCGCAGCGATGGCCGAA
 TACACCAGGCAATGGTGACATCATTAAATGAAGATAATGAAAGTGCACAGTCGAGTGGATAGAAAATGG
 AGACACAAAAGGAAAAGAGATTGACTTGAAAAGCATCTTTTCACTTAACCTGACCTTGTACCTGATGAA
 GACATTGAGCCAAGTCCAGAAATACCTCCACCCTCCTCATCCTCAAAAGTAAACAAAATTGTAAAGAACC
 GACGGACTGTGGCATCTATTAAGAACGACCCTCCCCCAGAGATAATAGAGTGGTTGGTTCAGCACGCGC
 ACGGCCTAGTCAACTTCCTGAGCAGTCATCTTCTGCACAACAGAATGGTAGCGTTTCAGATATATCTCCA
 GTTCAAGCTGCAAAAAGGAGTTTGGACCTCCTCACGTAGAAAATCTAATTGTGTGAAAGAAGTAGAAA
 AATTGCAAGAAAACGAGAAAAAGAAGATTGCAACAGCAAGAAGCTTAGAGAAAAAGAGCCAGGATGT
 CGATGCCACAAAATCCAAATTACGAGATTATGTGTATGATCAGAGACTTCAGAGGGAGCTTGGACTATAGA
 CCCCTCACAAACAGCTGATCCTATTGATGAACATAGGATATGTGTTTGTGTAAAGAAAACGACCACTCAATA
 AAAAAGAACTCAGATGAAAGATCTTGATGTCATCACAATCCCTAGTAAAGATGTTGTGATGGTTATGTA
 ACCCAAACAGAAAGTAGACTTAACAAGGTAAGTAAAGAAACAGACATTTTCGTTTTGATTATGCCTTTGAT
 GACTCAGCTCCTAATGAAATGGTTTACAGATTTACTGCCAGGCCACTGGTGGAAACAATATTTGAAAGGG
 GCATGGCTACCTGCTTTGCTTATGGGCAGACTGGAAGTGGGAAAACCTCACACTATGGGTGGTGACTTTTC
 AGGAAAGAACCAGGATTGCTCTAAGGGAATTTATGCATTAGCAGCTCGAGATGTGTTTTTAAATGCTGAAG
 AAGCCAACTATAAGAACTAGAAGTCAAGTATATGCAACATTTTTTGAATTTATAGTGGAAAGGTGT
 TTGACTTACTAAATAGGAAAACAAAGTTAAGAGTCTAGAGGATGAAAGCAGCAGGTGCAAGTGGTAGG
 GCTGCAGGAACGGGAGGTCAAGTGTGTGGAAGACGTGCTGAAGCTCATCGACATCGGCAACAGCTGCAGA
 ACATCTGGTCAGACATCTGCAAATGCACACTCATCTCGGAGCCATGCAGTGTTCAGATCATTCTTAGGA
 GGAAGGGGAAACTACATGGTAAATTTTCTCTCATCGACCTGGCTGGGAACGAAAGAGGAGCTGATACGTC
 CAGTGCAGACAGGCAAACCAGGCTTGAAGGTGCTGAAATTAATAAAAGCCTTTTAGCACTCAAGGAGTGC
 ATCCGAGCCTTAGGTAGAAATAAACCCACACTCCTTTCCGAGCAAGTAAACTCACTCAGGTGTTGAGAG
 ATTCTTCATAGGTGAGAATTCTCGCACTTGCATGATTGCCACGATCTCTCCAGGAATGGCATCCTGTGA
 AAACACTTTAATACATTAAGATATGCAAATAGGGTGAAGAAGTACTGTGGATCCAAGTCTGCTGCTGGT
 GATGTCGGTCCAATAATGCACCATCCACCAAGCCAGATTGACGACCTAGAGACACAGTGGGGGTGGGGA
 GTTCCCTCAGAGAGATGATCTGAAACTCTTTGTGAACAAAATGAAGAAGAAGTTTCTCCACAGTTGTT
 TACTTTCCACGAAGCCGCTCCCAGATGGTAGAGATGGAGGAACAGGTTGTGGAAGACCACAGGGCAGTG
 TTCCAGGAATCCATTCGCTGGATAGAAGATGAAAAGGCTCTCCTAGAGATGACTGAAGAAGTAGACTATG
 ATGTAGACTCATATGCTACACAGCTTGAAGCTATTCTTGAGCAAAAAATAGACATTTTAACTGAGTTACG
 AGATAAAGTGAATCTTTTCGTGCAGCGCTACAAGAAGAACAAGCCAGCAAGCAGATTAACCCCAAG
 AGACCCCGAGCCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053376

Insert Size: 2118 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_053376.1</u> , <u>NP_445828.1</u>
RefSeq Size:	4255 bp
RefSeq ORF:	2118 bp
Locus ID:	84391
Cytogenetics:	2q13
Gene Summary:	human homolog is a motor protein involved in moving proteins along microtubules [RGD, Feb 2006]