

Product datasheet for **RN207518**

Kifc1 (NM_001005878) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kifc1 (NM_001005878) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kifc1
Synonyms:	MGC94918
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207518 representing NM_001005878
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAGGACCGGGTCTCGGGACACCGCACCCAGTCTGCTGCCTTTGCATCCCCTCTGTGCGGACCA
 CCGTGGACATGCAGGCACAGAGGCCCTTTGATGGAAGTGAAGAGGAACCTGGAGCTGAGCACAACCCCT
 GGTCAAGTCTCTCCCGCTGCCCTACCAGGAAGCAGGCTCAAGAGGGTCTGACCAGATGGAGGAT
 GGCCTGGAGCCTGCAAAGAAACGAACACGAGGCATGGGCACAGTGACAAAGTTGACACATCCCGCCGA
 GAGGGCCACCCCTCAGCGCAGTGTCCACTGCAGCTCAGAAAGGCCCTAGGAAGACTGGACCTCGAGGGTG
 CTCTGTGTGCGTCCAGTGTGAGGAACAGAGCCAGCTCCCGCTGCTCCTGCCAGAAGCCAGGCACA
 TCCACTGCTCCTGCGGTGGCAGGAAAGAAACCTGGCAAGCGTCTGCCTGGGACTGAAGGGCCAGTTGT
 GTGACCTCCATGAAGAGTTGAAACAGTATCGGGAGAAGACTCAGACACTGGACCGTGAGAACCAGGGGT
 CCGAGAGCAACTCAGAGAGGTTAGGAGCAGGCCACGACCTGGGACAGAGCGGAACACCCCTGGAGGAG
 GAGCTGGCCAGTGTACCGAGCGAGCTGAGCAGAGCCAGCAGAAGCTGGAGACTCTGGGTGCCCGGTCT
 TGGAGCTGGAGGAATGTCTGGGTACCAAGGAAAGGCTGGTTTCAGGAGCTTCAGACAGAGCGGCTGAATT
 GCAGGAGGAACGCAGTACACTGAGCACCCAGCTGGAGGAGCGGGAGAGGGAGTTTCAGGCCTCAGAAGCA
 GCTCTGTCAAGCAGCCGAGCAGAGGTAAGTGTCTTCGGCAGAAGACTGCAGCCAGGTGACCTTACTGG
 CCGAGCAGGGAGACCGGCTCTATGGGCTAGAGATGGAGCGCCGTCGACTCCACAACCAGCTGCAGGAACT
 GAAGGGCAACATCCGGTCTTCTGCCGGTGGCCCTGTCTTGAGGGGGAGTCCACTCCATCTCCTGGC
 TTCCTTGTATTCCTCCTGGCCCTGTGGACCTCTGACCCCAACTCGCCTTTGCCTCTCTCGGTCTG
 ATGACCGGCGCTCACCCCTGACAAGGGCACCAGCAGCTGCTACCCGCCATGACTTCTCCTTTGATCGGGT
 GTTCCCACAGGAAGCAAGCAGGAGGAGGTGTTGAGGAGATCTCCATGCTTGTCCAGTCAGCACTGGAT
 GGCTACCTGTGTGCATCTTTGCCTATGGACAGACAGGCAGCGGCAAGACCTTACCATGGAGGGCGGGC
 CTCGGGGAGACCCCAAGTTGGAGGGGCTGATCCCCGGGCCATGCGGCATCTGTTCTCTGTGGCCAGGA
 GATGAGTGGCCAGGGCTGGACTTACAGTTTTGTGGCCAGTTACGTAGAGATCTACAATGAGACCGTCCGA
 GACCTGTAGCTACAGGGACCCGCAAGGGACAAGGGGGCGACTGTGAGATTGTCGGGCAGGCCAGGGA
 GTGAGGAACTTACTGTCACCAATGCACGATATGTCCTGTTTCTGTGAGAAAGAGGTGGAGGCTCTGCT
 CCATTTGGCCAGCAGAATCGGGCTGTGGCCCGCACTGCCAGAATGAGAGATCATCACGCACCCAGT
 GTGTTCCAGCTACAGATCTCTGGAGAGCATGCTGCCCGGGCCTGCAGTGTGGTGTCCCCTCAACCTGG
 TGGACCTGGCTGGGAGTGAAGCGGCTTACCCCTGGCTTAAACCTAGGCCCTGGAGAGCGGGATCGTCTTCG
 GAAACACAAGCCATTAACAGCAGTCTGTCTACACTGGGACTGGTCATAATGGCCCTGAGCAATAAGGAG
 TCCCACGTGCCTTACCGAAATAGCAAGCTTACCTACCTGCTGCAGAACTCTCTGGGTGGCAGTGCCAAGA
 TGCTCATGTTCTGTGAACATTTCTCCTCTGGAAGAGAATGTCTCCGAGTCTCTGAATTCACCTCCGCTTTGC
 TTCCAAGGTGAACCAGTGCCTGATCGGCACTGCTCAGGCTAATAAGAAA **TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001005878

Insert Size: 2082 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).

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_001005878.1</u> , <u>NP_001005878.1</u>
RefSeq Size:	2316 bp
RefSeq ORF:	2082 bp
Locus ID:	294286
UniProt ID:	<u>Q5XI63</u>
Cytogenetics:	20p12
Gene Summary:	Minus end-directed microtubule-dependent motor required for bipolar spindle formation. May contribute to movement of early endocytic vesicles. Regulates cilium formation and structure.[UniProtKB/Swiss-Prot Function]