

Product datasheet for **MC220645**

Kifc1 (BC003753) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kifc1 (BC003753) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kifc1
Synonyms:	HSET, KNSL2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC003753
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGTGCAGGCGCAGAGGCCACCTTTGTTGGAAGTGAAGAGGAACGTAGAACTGAAGGCAGCCCTGG
 TGAAGTCCTCCTCCCGAGTGCCCTGTAGCAAGCAGGCTCAAGAGGGGTCTGACCAGATGGAGGATGC
 CTTGGAGCCTGCAAAGAAACGGACACGAGTCATGGGTGCAGTGACCAAAGTTGACACATCCCGTCCCA
 GGACACTCCTCAGCACAGTGTACAGACCCAGGGCCATACTGCAGCTCAGAAAGGCCCTAAGAAGACAG
 GACCTCGTGGGTGCTCTGCTGTTGGTACAGTGTGAGGAGCCAGAAGCCAGCTCCCGTCTCTGCCCA
 GAAGCCTGGCACATCCACTGCTCTGTGGTGGTAGGGAAGAGAGCTGGCAAACGCCCTGCCTGGGACCTG
 AAGGGCCAGTTGTGTGACCTCAATGAAGAGTTGAAACGCTATCGGGAGAAGACTCAAACGCTGGAAGTGG
 AGAACCGGGGCTTCGGGAGCAACTCAGAGAGGTCAGGAGCAGGCCACGACCCTGGGGACAGAGCGGAA
 CACCCTGGAAGGGGAGCTGGCCAGTGTACGCAGCCGAGCTGAGCAGGACCAGCAGAGGCTGGAGACGCTG
 AGTGCCCGTGTCTTGGAGCTGGAGGAATGTCTGGGTACCAGGAAAGGCTGCTTACAGGAGCTTACGGAG
 AGCGGCTGCAATTGCAGGAAGAGCGGAGCACACTGAGCACCCAGCTGGAGGAGCAGAAGAGGAGGTTTCA
 GGCCACAGAAGCAGCTCTGTCAAGCAGCCAAGAAGAGGTGGTGTGCTTTCGGCAGAAGACTGAAGCCAG
 GTGACCTTACTGGCTGAGCAAGGAGACCGGCTCTATGGGTTAGAGATGGAGCGGCGGCGACTCCACAACC
 AGCTGCAGGAAGTGAAGGGCAATATCCGGGTGTTCTGCCGTGTGCGCCCTGTCTCGCAGGGGAATCCAC
 TCCATCTCCTGGCTTCTCGTGTTCCTCCTGGCCCTGCTGGACCCTCTGATCCCCGACGGGCTTAGC
 CTCTCAGCATCTGATGATCGGCGCTCCACCCTGACTGGGGCCCCGCCCCACTGTCCGCATGATTTCT
 CCTTTGATCGGGTGTCCCGCCGGGAAGCAAGCAGGAGGAAGTGTGGAGGATCGCCATGCTTGTCCA
 GTCAGCACTGGATGGCTACCCTGTGTGCATTTTTGCCTATGGACAGACAGGCAGTGGCAAGACCTTCACT
 ATGGAAGGAGGGCTAGGGGAGACCCCAATTGGAAGGGCTGATCCCTCGGGCCATGCGGCATCTGTTCT
 CTGTGGCCAGGAGATGAGCGGCCAGGGCTGGACATACAGTTTTGTGGGAGTTACGTAGAGATCTACAA
 TGAGACCGTTCGAGACCTGCTAGCTACTGGGCCCGCAAGGGACAAGGGGCGAGTGTGAGATCCGTCGG
 GCAAGCCAGGGAGTGAAGGACTACTGTACCAATGCCCGCTATGTCCCTGTTTCTGTGAGAAAGAGG
 TGGAGGCCCTGCTCCATTTGGCTCATCAGAACCGGGCTGTGGCCACACTGCCAAAATAAGAGATCATC
 ACGCAGTCATAGTGTGCCAGCTGCAGATTTCTGGAGAGCATGCAGCTCGGGCCCTGCAGTGTGGCGCT
 CCCCTCAACCTTGTGGACCTAGCTGGGAGTGAAGGCTAGACCCTGGCTTACACCTAGGCCCTGGGAGC
 GTGATCGTCTTCGGGAGACAGGCCATTAACAGCAGTCTGTCTACACTGGGACTGGTATAATGGCCCT
 GAGCAATAAGGAGTCCCACGTGCCTTACCGAAACAGCAAGCTCACCTACTTGCTGCAGAAGTCTCTGGGT
 GGCAGTGCCAAGATGCTTATGTTTGTGAATATTTCTCCTCTGGAAGAGAATGTCTCCGAGTCTCTGAATT
 CACTACGCTTTGCTTCAAGGTGAACAGTGTGTCATTGGTACTGCTCAGGCTAATAAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC003753
Insert Size: 2025 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:

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: [BC003753](#), [AAH03753](#)

RefSeq Size: 2263 bp

RefSeq ORF: 2024 bp

Locus ID: 16580

Cytogenetics: 17 A3.3

Gene Summary: Minus end-directed microtubule-dependent motor required for bipolar spindle formation (PubMed:16638812). May contribute to movement of early endocytic vesicles (PubMed:17360972). Regulates cilium formation and structure (PubMed:23807208). [UniProtKB/Swiss-Prot Function]