

Product datasheet for **SC106946**

KIFC1 (NM_002263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIFC1 (NM_002263) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIFC1
Synonyms:	HSET; KNSL2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC106946 sequence for NM_002263 edited (data generated by NextGen Sequencing)

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ATGGATCCGCAGAGGTCCCCCTATTGGAAGTAAAGGGGAACATAGAAGTGAAGAGACCT
CTGATTAAGGCCCTTCCCAGCTGCCTCTCTCAGGAAGCAGACTCAAGAGGAGGCCTGAC
CAGATGGAAGATGGCCTGGAGCCTGAGAAGAAACGGACAAGAGGCCTGGGTGCAACGACC
AAAATTACCACATCCCACCAAGAGTTCATCCCTCACTACAGTGCCACAGACACAAGGC
CAGACCACAGCTCAAAAAGTTTCCAAGAAGACAGGACCCCGGTGTTCCACAGCTATTGCC
ACAGGGTTGAAGAACCAGAAGCCAGTTCCTGCTGTTTCTGTCCAGAAGTCTGGCACATCA
GGTGTTCCTCCCATGGCAGGAGGGAAGAAACCCAGCAAACGTCCAGCCTGGGACTTAAAG
GGTCAGTTATGTGACCTAAATGCAGAACTAAAACGGTGCCTGAGAGGACTCAAACGTTG
GACCAAGAGAACCAGCAGCTTCAGGACCAGCTCAGAGATGCCAGCAGCAGGTCAAGGCC
CTGGGGACAGAGCGCACAACTGGAGGGGCAATTAAGCCAAGGTACAGGCCAGGCTGAG
CAGGGCCAACAGGAGCTGAAGAACTTGCCTGCTTGTGCTGGAGCTGGAAGAGCGGCTG
AGCACGCAGGAGGCTTGGTGAAGAGCTTCAGAAAAACAGGTGGAATTGCAGGAAGAA
CGGAGGGGACTGATGTCCCAACTAGAGGAGAAGGAGAGGAGGCTGCAGACATCAGAAGCA
GCCTGTCAAGCAGCCAAGCAGAGGTGGCATCTCTGCGGCAGGAGACTGTGGCCAGGCA
GCCTTACTGACTGAGCGGGAAGAACGTCTTCATGGGCTAGAAATGGAGCGCCGGGACTG
CACAACCAGCTGCAGGAACTCAAGGGCAACATCCGTGATTCTGCCGGTCCGCCCTGTC
CTGCCGGGGAGCCCACTCCACCCCTGGCCTCCTCTGTTTCCCTCTGGCCCTGGTGGG
CCCTCTGATCCTCAACCCGCTTAGCCTCTCCCGGTCTGACGAGCGGCTGGGACCCTG
AGTGGGGCACCAGCTCCCCAACTCGCCATGATTTTTCTTTGACCGGTATTCCCACCA
GGAAGTGGACAGGATGAAGTGTGGAAGAGATTGCCATGCTTGTCCAGTCAGCCCTGGAT
GGCTATCCAGTATGCATCTTTGCCTATGGCCAGACAGGAGTGGCAAGACCTTACAATG
GAGGGTGGGCCTGGGGGAGACCCCAAGTTGGAGGGGCTGATCCCTCGGGCCCTGCGGCAC
CTCTTCTCTGTGGCTCAGGAGCTGAGTGGTCAGGGCTGGACCTACAGCTTTGTAGCAAGC
TACGTAGAGATCTACAATGAGACTGTCCGGGACCTGCTGGCCACTGGAACCCGGAAGGT
CAAGGGGGCGAGTGTGAGATTGCGCGTGCAGGGCCAGGGAGTGAGGAGCTCACTGTACC
AATGCTCGATATGTCCCTGTCTCCTGTGAGAAAGAAGTGGACGCCCTGCTTATCTGGCC
CGCCAGAATCGGGCTGTGGCCCGCACAGCCAGAATGAACGGTCATCACGCAGCCACAGT
GTATTCCAGCTACAGATTTCTGGGGAGCACTCCAGCCGAGGCTGCAGTGTGGGGCCCC
CTCAGTCTTGTGGACCTGGCCGGGAGTGAGCGACTTGACCCCGGCTTAGCCCTCGGCCCC
GGGGAGCGGGAACGCCTTCGGGAAACACAGGCCATTAACAGCAGCCTGTCCACGCTGGGG
CTGTTATCATGGCCCTGAGCAACAAGGAGTCCCACGTGCCTTACCGGAACAGCAAAGT
ACCTACCTGCTGCAGAACTCTCTGGGTGGTAGTCTAAGATGCTCATGTTTGTGAACATT
TCTCCACTGGAAGAGAAGCTCTCCGAGTCCCTCAACTCTCTACGCTTTGCCTCCAAGGTG
AACCAGTGTGTTATTGGTACTGCTCAGGCCAACAGGAAGTGA

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Clone variation with respect to NM_002263.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002263 unedited NNCCTTTTTAAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGCCGGCA CCCACTTCTCTTCCCTGCATTCCCCCGCGCGTGTGGACCGAGGTGGACATGGATCCGC AGAGGTCCCCCTATTGGAAGTAAAGGGGAACATAGAAGTGAAGAGACCTCTGATTAAGG CCCCTTCCCAGCTGCCTCTCTCAGGAAGCAGACTCAAGAGGAGGCCTGACCAGATGGAAG ATGGCCTGGAGCCTGAGAAGAAACGGACAAGAGGCCTGGGTGCAACGACCAAAATTACCA CATCCCCACCAAGAGTTCCATCCCTCACTACAGTGCCACAGACACAAGGCCAGACCACAG CTCAAAAAGTTTTCCAAGAAGACAGGACCCCGGTGTTCCACAGCTATTGCCACAGGGTTGA AGAACCAAGCCAGTTCCTGCTGTTCCCTGTCCAGAACTCTGGCACATCAGGTGTTCCCTC CCATGGCAGGAGGGAAGAAACCCAGCAAACGTCCAGCCTGGGACTTAAAGGGTCAGTTAT GTGACCTAAATGCAGAATAAAACGGTGCCGTGAGAGGACTCAAACGTTGGACCAAGAGA ACCAGCAGCTTCCAGGACCAGCTCAGAGATGCCAGCAGCAGGTCAAGGCCCTGNGGACAG AGCGCACAACTGGAGGGGCATTTAGCCAAGGTACAGGCCAGGCTGAGCAGGGCCAAC AGGAGCTGAAGACTTGCCTGCTTGTGCTGAGCTGGAAGAACGGCTGAGCACCAGCAGA GGGCTTGGGTGCAGAGCTTCAGAAAAACAGGTGGAATTGCNAGAAGAACGGAGGGACTGA TGTCACCTANNAGGAAANGNAAGGGAGCTGCANACATCANAAGCACCCCTGTCA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002263 unedited CGTTGCACCTATTGGCGATGGTCAACTTCCCAGGTCCAGGAAAGCACTGGGGNAGGGTCA CAGGGCTGCCACCCGGTCTGTTCAGGAAAACAGCTATGACCGCGCCGCAATCTAGAG TCGAGTTTTTTTTTTTTTTTTTTTTGGGCAAATGCTAATAAAACCTTTATTTAAAAA AACCAAATATTCTTTATTTGATAGCCCTGGGACATGGTGCCCTCCACCAATAAAGCAC CCTCCAGCAACCTCCCACCCCTCACCCGATACATAGACATAGGGACACACACACACACA CAGAGATCTGGATCCGTC TCACTTCTGTTGGCCTGAGCAGTACCAATAACACACTGGTTCACCTTGGAGGCAAAGC GTAGAGAGTTGAGGGACTCGGACACGTTCTCTCCAGTGGAGAAATGTTCAAAACATGA GCATCTTAGCACTACCACCCAGAGATTCTGCAGCAGGTAGGTGAGTTTGTGTTCCGGT AAGGCAGTGGGACTCCTGTTGCTCAGGGCCATGATAACCAGCCCCAGCGTGGACAGGC TGCTGTTAATGGCCTGTGTTCCCGAGAGCGTTCCTCCGCTCCCCGGGGCCGAGGGCTAAGC CGGGGCAAGTCTCACTCCCAGCCAGTCCACAAGAGTGAAGGGGGGCCACACATGCA GGCTCGGCTGGAGTGCTCCCCAGAAATCTGTAGCTGGAATACACTGTGGCTGCGTGATG ACCGTTATTCTGGGCTGTGCGGCCACAGCCGATTCTGGGCGCCATATGAAGCANGG CGTCCACTTCTTCTTACAGGACAGGGACATATCGAGCATTGGTGACGTGAGTCTCTCA CTCCTGGCCCTGCACGN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002263
Insert Size:	2500 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:	NM_002263.2 , NP_002254.1
RefSeq Size:	2391 bp
RefSeq ORF:	2022 bp
Locus ID:	3833
UniProt ID:	Q9BW19
Cytogenetics:	6p21.32
Protein Families:	Druggable Genome
Gene Summary:	Minus end-directed microtubule-dependent motor required for bipolar spindle formation (PubMed:15843429). May contribute to movement of early endocytic vesicles (By similarity). Regulates cilium formation and structure (By similarity).[UniProtKB/Swiss-Prot Function]