

Product datasheet for **SC123291**

KIF19 (NM_153209) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF19 (NM_153209) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF19
Synonyms:	KIF19A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_153209 edited
GTCGGGCAGCGCGCAGGGCGCGGGCAGCTAGCAGCTGGCGGACGCGACCCGGAGGCGGT
GGGGGTGCGGCTGAGCCATGCCCGGTGGCGCGGCTGAGCCCCTCCACCTGCTGCAATCA
TGAAGGACAGCGGGGACTCCAAGGACCAGCAACTCATGGTGGCGCTTCGGGTCCGGCCCA
TCAGCGTGGCAGAGCTGGAGGAAGGAGTACCCTCATCGCCATAAAGTGGATGAGCAGA
TGGTGGTTCTCATGGACCAATGGAGGATCCCGACGACATCCTGCGGGCGCATCGCTCCC
GGGAGAAGTCCTACCTGTTTCGACGTGGCCTTTGACTTCACCGCCACCCAGGAGATGGTGT
ATCAGGCCACCACCAAGAGCCTCATCGAGGGCGTCATCTCAGGCTACAATGCCACTGTCT
TTGCTATGGCCCCACAGGCTGTGGGAAAACCTACACCATGCTGGGCACAGACCAGGAGC
CTGGCATCTATGTTTCAGACCCTCAACGACCTCTTCCGTGCCATCGAGGAGACCAGCAATG
ACATGGAGTATGAGGTCTCCATGTCTACCTGGAGATCATGCAGTGTGATGAAGGGGA
ACCGGCAGAGGACCCAGGAGCCACGGCCGCCAACAGACGTCTCCCGTCCCACGCGG
TACTGCAGGTGACCGTGCGCCAGCGCAGCCGGTCAAGAACATCTTGCAGGAGGTGCGGC
AGGGCCGCTGTTTATGATCGACCTGGCTGGCTCAGAGCGCGCTCGCAGACACAGAATC
GTGGGCAGCGTATGAAGGAGGGGCCACATCAACCGCTCACTGTGGCACTGGGCAACT
GCATCAACGCCCTGAGCGACAAGGGTAGCAACAAGTACATCAACTATCGCGACAGCAAGC
TACCCCGCTCCTGAAGGACTCTCTGGGAGGAAACAGCCGCACAGTGATGATCGCTCACA
TCAGTCTGCGAGCAGTGCCTTCGAGGAGTCCCGGAACACCCTGACCTACGCCGGCCAGG
CCAAGAACATTAAGACTAGGTGAAGCAGAACCTCCTGAACGTCTCCTACCACATCGCCCA
GTACACCAGCATCATCGCTGACCTGCGGGGCGAGATCCAGCGACTCAAGCGCAAGATTGA
TGAGCAGACTGGGCGGGCCAGGCCCGGGCCGGCAGGATCGGGTGACATCCGCCACAT
CCAAGCTGAGGTCCAGCTGCACAGCGGGCAGGGTGAGAAGGCTGGCATGGGACAGTTCCG
GGAGCAGCTCGCAGCGCTTCCAGGAGCAGATGGATGTGCGGAGGCGCCTGCTGGAGCT
GGAGAACCGGCCATGGAGGTCCAGATTGACACCTCCCGACACCTGCTCACCATCGCCGG
CTGGAAGCACGAGAAGTCCAGCTGGGCCCTCAAATGGCGGGAGGAGCAGCGAAAGGAGTG
CTACGCTAAGGACGACAGCGAGAAGGACTCAGACACAGGTGATGACCAACCAGACATCCT
GGAGCCACCCGAGGTGGCCGAGCCCGGAGAGCATTGCAGCCCTGGTGGACGAGCAGAA
GCAACTGCGCAAGCAGAAGGTGTCCAGGGTTTGGGGGACAAGGAGAGTGGGTTTAGGGG
ACAGGGTGAAGCAGGTTTGAAGGCAAGGCGGAGGGGCCAGGGTGGGGTAGCCGTGAGAC
TTGGGAACTCAGGCCACAAATCCTGTGTGACTTTGCTAAGCTCTTAACTTCTCTATGCG
TCACATTCACCTGTAAAATGGGAGCAGTCCATGGTGCAGCCCTCATGGGTTGCTGG
GAAGATTACATAAATGCCTGGCACAATCAAGGACTCAAAAAATGGTAACATAATGTTATA
ATTAGGGTTTTTCAGGCTGGGCACAGTACTCACACCTGTAATCTCAGCACGTTGGGAAG
TTGAGGTAGGCAGATCACTTGAAGCCAGGAGTTCGAGACCAGCCTGGCCAACATGGCGAA
ATCCCGTCTTTACTAAAAATACGAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153209 unedited GTCAGCATTTGTAAACGACTTACTATAGGCGGCCGCATAACTTCGTATAGCATAACATTAT ATTAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGTCGGGCA GCGCGGAGGGCGGCCGAGCTAGCAGCTGGCCGACGCGACCCGGAGGCGGTGGGGTGC GGCTGAGCCATGCCCGGTGGCGCGCCTGAGCCCTCCACCTGCTGCAATCATGAAGGAC AGCGGGGACTCCAAGGACCAGCAACTCATGGTGGCGCTTCGGGTCGGCCATCAGCGTG GCAGAGCTGGAGGAAGGAGCTACCCTCATCGCCATAAAGTGGATGAGCAGATGGTGGTT CTCATGGACCCAATGGAGGATCCCGACGACATCCTGCGGGCGCATCGCTCCCGGGAAG TCCTACCTGTTTCGACGTGGCCTTTGACTTCACCGCCACCCAGGAGATGGTGTATCATGCC ACCACCAAGAGCCTCATCGAGGGCGTCATCTCATGCTACAATGCCACTGTCTTTGCCTAT GGCCCCACAGGCTGTGGGAAAACCTACACCATGCTGGGCACAGACCAGGAGCCTGGCCTC TATGTTTCAGACCCTCAACGACCTCTTCCGTGCCATCGAGGAGACCAGGCATGACATGGAG TATGATGTCTCCATGCTCCTACCTGGAGATCATGCAGCTGCTGATGAAGGGGAACCGGCAG ATGACCCAGGAGCCACGGCCGCAACCCAGACGTNCTCCCGCTCCACCGGCTACTGCAG GTGACCGTGCAGCCAGCGAGCCCGTCAAGACATCTTGAAGAGGTGCGGCATGGCCCGC CTGTTTCATGATCGACCTGGCTGCTCAAACGCGCCTGGCAGACCAGATTCTGGGCACGT ATGAATGAAGGG
Restriction Sites:	Please inquire
ACCN:	NM_153209
Insert Size:	2019 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_153209.1 , NP_694941.1
RefSeq Size:	2095 bp
RefSeq ORF:	1647 bp
Locus ID:	124602
UniProt ID:	Q2TAC6
Cytogenetics:	17q25.1
Protein Families:	Druggable Genome

Gene Summary:

Plus end-directed microtubule-dependent motor protein that regulates the length of motile cilia by mediating depolymerization of microtubules at ciliary tips.[UniProtKB/Swiss-Prot Function]