

Product datasheet for **SC318312**

KIFC3 (NM_005550) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	KIFC3
Vector:	<u>pCMV6 series</u>



Fully Sequenced ORF: >NCBI ORF sequence for NM_005550, the custom clone sequence may differ by one or more nucleotides

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ATGGTCCCCCTCTCGCAGGACGTGGAACCTGGGAGCCACGCCCTCGCTGCGGGCCTGTGG
AGAGTGGCCCGGGCCCCGGAGCCCGAGCCGGGGATGGCTCGCCCCGCCCCAGCCCCAGCC
AGCCCCGGCCCGCCCTTTCCACACACCGGCCCGGGGAGTTGAGAACTGGGCGTGGA
AAAGATACCCAGTCTGCGGTGACGAGGACTCCAGTGCCCGAAGTGCAGCTCGCCAGCC
CTAGCTCAGTGCCGAGCCCTTAGCGTGACTGGCTGGCCCCGGAAGCCCCACGGGCTC
TACCTGACCTGCAGGTAGAACACCTGAAGGAGAAGCTCATTAGCCAGGCCAGGAAGTG
AGCCGACTGCGATCTGAGCTGGGGGACCGACTTGAGAAGCACCGGGACCTGCTGATG
GTGGAGAAATGAGCGACTGAGGCAGGAGATGCGGCGCTGTGAGGCCGAGCTGCAAGAGCTG
CGCACAAAGCCAGCAGGTCCCTGCCAGGTTGTGAGCACAGCCAGGAGAGCGCCAGCTC
CGTGACAAGCTGTCCAGCTGCAGCTGGAGATGGCGGAAAGCAAAGGCATGCTGTCAGAG
CTGAACCTAGAGGTGCAGCAGAAGACCGACCGGCTGGCTGAGGTGGAGCTGCGACTCAAG
GACTGCCTGGCTGAGAAGGCACAGGAGGAGGAGCGGCTTAGTCGGCGCTGCGTGACAGC
CACGAGACCATGCCAGCCTGCGGGCCAGTCCCCACCTGTCAAGTATGTCATCAAGACA
GTGGAGGTGAGTGTGTCGAAGACCAAGCAGGCCCTCAGCGAGTCCAGGCCCGGAACAG
CACCTGCAGGAGCAGGTGGCTATGCAGAGGCAGGTGCTGAAGGAGATGGAACAGCAGCTG
CAGAGCTCACACAGCTGACCGCGCGGCTCCGGGCGCAGATTGCCATGTACGAGTCAGAG
CTGGAGCGGGCCCATGGGCAGATGCTGGAGGAGATGCAGTCCCTGGAAGAGGACAAGAAC
CGGGCCATTGAGGAGGCCTTTGCCAGAGCCAGGTGGAGATGAAGGCTGTGCACGAGAAT
CTAGCAGGCGTCCGGACCAACTTGCTGACCTTGACGCCGCACTGCGGACCTCACCAAC
GACTACAATGGGCTCAAGCGGCAGGTGCGCGGCTTCCCACTGCTGCTGCAGGAGGCCCTC
AGGAGTGTCAAGGCCGAGATAGGCCAGGCCATCGAGGAGGTCAACAGCAACAACAGGAG
CTGCTGCGCAAGTACCGCCGCGAGCTGCAGCTGCGTAAGAAGTGCCACAATGAGCTCGTG
CGGCTGAAAGGGAACATCCGAGTGATTGCTCGTGTCCGGCCAGTCACCAAGAGGATGGG
GAAGGACCTGAGGCCACCAATGCTGTGACTTTCGATGCCGACGACGACTCCATCATCCAC
CTGCTGCACAAGGCCAAGCCTGTGTCTTCGAGCTGGACAAGGTCTTCTCCCCACAGGCC
TCGCAGCAGGAGTGTTCAGGAGGTGCAGGCCCTGGTCACCTCTTGCAATTGATGGCTTC
AATGTCTGCATCTTTGCGTACGGCCAGACGGGCGCCGCAAGACGTACACGATGGAGGGG
ACCGCTGAGAACCAGGTATCAACCAGCGGCCCTGCAGCTGCTCTTCTCCGAGGTGCAG
GAGAAGGCGTCTGACTGGGAGTACACCATCACCGTCAGCGCTGCGGAGATCTACAATGAG
GTCCTCAGGGACCTGCTAGGGAAGAGCCTCAGGAAAACTGGAGATCCGGCTGTGCCCA
GACGGCAGTGGGACGTGTATGTACCAGGGCTGACTGAGTTCCAAGTGCAGAGCGTGGAC
GACATCAACAAGGTGTTGAGTTTGCCACACTAATCGCACGACCGAGTTACCAACCTG
AACGAGCACAGCTCCGCTCGCACGCGTGCTCATCGTGACGGTGCGAGGCGTGGACTGC
AGCACAGGCCTCCGCACACGGGGAAGCTGAACCTGGTGGACTTGCTGGCTCGGAGCGC
GTGGGCAAGTCGGGGGCCGAGGGCAGCCGCTGCGGAGGCGCAGCACATCAACAAGTCG
CTGTGCGCTCTGGGGACGTGCTATTGCTGCCCTGCGCTCCCGCAGGGCCACGTGCCCTTC
CGCAACTCCAAGCTCACCTACCTGCTGCAGGATTGCTTAGTGGTGACAGCAAGACCTC
ATGGTGGTACAGGTGTCCCCCTGGAGAAGAACTAGCGAGACGCTCTATTCCCTCAAG
TTTGCTGAGAGGGTGCGCTCTGTGGAGCTGGGGCTGGGCTACGCAGGGCAGAGCTTGGG
TCCTGGTCAAGCCAGGAGCATCTAGAGTGGGAGCCGCTGTGCAGACGCCACAGCCCTCG
GCACGGGCCCACTCAGCCCCAGCTCTGGGACCAGTAGCCGCCCTGGATCCATCCGAGG
AAGCTGCAGCCCTCGGGGAAGTCGCGGCCACTGCCTGTG

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Restriction Sites: Please inquire

ACCN: NM_005550

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_005550.3, NP_005541.3</u>
RefSeq Size:	3366 bp
RefSeq ORF:	2502 bp
Locus ID:	3801
UniProt ID:	<u>Q9BVG8</u>
Cytogenetics:	16q21
Domains:	kinesin
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the kinesin-14 family of microtubule motors. Members of this family play a role in the formation, maintenance and remodeling of the bipolar mitotic spindle. The protein encoded by this gene has cytoplasmic functions in the interphase cells. It may also be involved in the final stages of cytokinesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016] Transcript Variant: This variant (1) differs in the 5' UTR and 5' coding region, uses a downstream start codon and lacks an exon in the 3' coding region, compared to variant 4. It encodes isoform 1, which is shorter and has distinct N- and C-termini, compared to isoform 4.