

## Product datasheet for SC118717

### KIF3C (NM\_002254) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KIF3C (NM_002254) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF3C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002254 edited

```

GAATTCGGCAGGAGGGAAGGTCAGAGCAGCAAGATGGCCAGTAAGACCAAGGCCAGCGA
GGCCCTCAAGGTGGTGGCCCGGTGCCGCCCTCAGCAGGAAGGAGGAGGCTGCTGGTCA
CGAGCAGATCCTGACCATGGACGTGAAACTGGGCCAGGTGACCCTGCGGAACCCCGCGC
CGCCCCGGGGGAGCTGCCAAGACCTTACCTTTGACGCCGTGTATGATGCCAGCTCCAA
GCAGGCCGACCTGTATGACGAAACCGTGAGGCCCTGATAGACTCCGTGCTCCAGGGTTT
CAATGGCACGGTGTGGCTATGGCCAGACGGGCACTGGCAAGACCTATACCATGCAAGG
GACCTGGTGGAGCCGAGCTGCGCGGGGTATCCCGAATGCCTTTGAGCACATCTTAC
CCACATCTCCCGTCCCAGAACCAACAGTACCTGGTCCGGGCTCCTATTTGGAGATCTA
CCAGGAAGAGATTGAGACCTGCTCTCAAGGAGCCGGGCAAGAGGCTAGAGCTGAAAGA
GAACCCGAGACTGGCGTCTACATCAAGGACCTCCTCCTTCGTACCAAGAATGTCAA
GGAGATTGAGCATGTGATGAACCTGGGGAACAGACCCGGGCTGTGGGCAGCACCCACAT
GAATGAGGTCAGCTCCCGTCCCATGCCATCTTATCATCACTGTGGAGTGCAGCGAAGC
TGGCTCTGATGGCCAGGACCACATCCGAGTGGGCAAGCTCAACCTCGTGGACCTGGCTGG
CAGCGAGAGGCAGAAACAAGGCAGGCCCAACACAGCGGGAGGGGCAGCCACCATCCTC
GGGTGGCGGTGGTGGCGGTGGAGGCAGTGGTGGTGGTGGTGGTGGAGAGAGGCCTAAGGA
AGCCTCCAAAATCAACCTCTCATTATCTGCCCTGGGCAACGTGATTGCTGCCCTGGCGGG
CAACAGGAGCACCCACATTCCCTACCGGACTCCAAGCTGACCCGGCTGCTCCAGGACTC
CCTGGGGGGGAATGCCAAGACCATCATGGTAGCCACACTGGGGCCAGCTTCTCACAGCTA
CGATGAGAGCCTCTCCACCTTGCCTTTGCCAACCAGGCAAGAACATCAAGAACAAGCC
CCGGGTGAACGAGGACCCCAAGGACACACTGCTGCGGGAATTCCAAGAGGAGATTGCCCG
CCTGAAGGCCAGCTGGAGAAGAGGGGGATGCTGGGGAAGCGGCCCGGAGGAAGAGCAG
CCGCAGGAAGAAGGCCGTGTCGCCCGGCTGGGTACCCTGAGGGCCAGTGATTGAGGC
CTGGGTGGCAGAAGAGGAGGATGACAACAACAACACCCGCCCGCCAGCCATCCT
GGAGTCAGCCTTGGAGAAGAATGGAGAATTACCTGCAGGAACAGAAGGAGCGGCTGGA
GGAGGAGAAGGCAGCCATCCAGGATGACCGCAGCCTGGTGGAGGAGGAGAAGCAGAAGCT
GCTGGAGGAGAAGGAGAAGATGCTGGAGGACCTGCGGCGGGAACAGCAGGCCACAGAGCT
GCTTGCGCCCAAGTACAAGGCCATGGAGAGCAAGCTCCTCATCGGGGGCAGGAACATCAT
GGATCACACCAACGAACAGCAGAAGATGTTGAACTGAAGAGGCAGGAGATTGCCGAGCA

```



[View online >](#)

GAAACGTCGTGAGCGGGAGATGCAGCAGGAGATGATGCTCCGGGACGAGGAGACTATGGA  
 GCTCCGGGGACCTACACATCCCTGCAGCAGGAGGTGGAGGTCAAAACCAAGAACTCAA  
 GAAGCTTACGCCAAGCTGCAGGCGGTGAAGGCGGAGATCCAGGACCAGCATGATGAGTA  
 TATCCGCGTGGCGCAGGACCTGGAGGAGGCGCAGAACGAGCAGACCCGCGAACTCAAGCT  
 CAATAGCAGCCAGATGAAGAAGCGGCCAACATCTGCAGTGGGCTACAAGAGGCCTATCAG  
 CCAGTATGCTCGGGTTGCCATGGCAATGGGGTCCCACCCAGGTACAGGGCTGAAAACAT  
 AATGTTTTCTGGAGTTGGATGTGTCCCCTCCAGCTGTCTTTGAGATGGAATTCTCTCACGA  
 CCAAGAACAAGACCCCTCGTGCCTACACATGGAGAGGCTCATGCGATTGGACAGCTTCT  
 GGAAAGACCTTCCACGTCTAAAGTCCGAAAGTCCAGATCCTGGTGCCAGAGTCTCAGCG  
 GCCTCCACCTTCCACCACACATGCCTCCCTGGCCTCTGCTTCTCTGCGCCTGCAACAGT  
 GCGGACCATGAGTGACAACCATCACGTGAGGCTGCCATCCAATAGACTCCTGGGATGG  
 GGCAGCAACCCCTGGCTCATCTCATCTGCCGCTTGGTGCCTGTGCGTGTGCGTGCATGTG  
 CGTGTGCGTGTGTCAGGGGTGAGAATCTGGCAGATGGTGCCTCTGCCTGCTTCTTCTCG  
 CCTCCTTTATTTAATTCATGTTATTTATTCGCGGAGCTCAGTTTCGTGTTGGGAGATGCC  
 CTCGCTGAGCCGTCTGGCCTACCGTGGTCACTGCGTAGCCTCTTTTTCTTCTGACTTG  
 AGAGCTCCCCAGTCAGATCTCAGGCTTGTCCCCTGTGAGCTGCCTCCAGAAGGGAAGG  
 TAGCCAGTGCCTGAGAAGACAGTCCCTTTTCTACCCACCGCACTCCATAACCTCCATCTT  
 CTCCCACACTGATGGCGAGCAGCCCTGAGCACTTTCTGGGACTGGGAGACTGCTTGGTG  
 TTCCCTGAGGACAAGAGACATCCTGACAGTGTGGGCACTGTCTCCCCGTGGACACAGCC  
 CCACTCTCCACTTTCTGAGCCTCAGACAACCTCATTACAGCCTCTTGGGCTCCTTTTCAAG  
 GACATTAATAACCTCACCAACATAGCTCATGCCCTTTCAGCTTTGACAAGAAGTACAGGCT  
 TCCCAAACCTCTGCTTTCTGCCACCTTGGATGGAACTGTGGACCAAGCAATTACCATCG  
 CCTTGGAACTGCAGGAAATGGAACAGCAATTGAGACAACCTTGAACAGTCATCAACGGAA  
 GTCCCTCCACTGGATTCTTGTCTGTCCCCTCCGAGGAGTCATTTTGGTTCGACAGGC  
 TCTCAAGCAACTCCCCATTTTCAAGAGGCTGCTCCTGCCTGCTTCGATATTTCTCCCT  
 GCAGCTGCCTAGACCCGTTTACAGTGGGAGGAGTCAATGTCATTCTACCCCTCGTAA  
 CGAAGATATTAACATCTATTGCTTTTTCCCTTCTGTGTCACAGGAAACAGAAGCCAGG  
 CACAATCTTTCCAGCTTTCCTGTTACCCCTGTTTCTGAATTGCATCTTTAAGGTATTA  
 TTTTGTGACAATAGATCCTTTATTCAGTACGCAAAATGGTTCTAGGGGATACT  
 CCTTACCTTCTTTGTGATGGCCAAAATGTCTCTAGGTATCTCAAGTGATAAGTAAATT  
 TCTACAAAAAAAAAAAAAAAAAACTCGAC

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_002254 unedited  
 NTTTCAGGATTNTGNAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGGAA  
 GGTGAGCAGCAAGATGGCCAGTAAGACCAAGGCCAGCGAGGCCCTCAGGTGGTGGCC  
 GGTGCCGCCCTCAGCAGGAAGGAGGAGGCTGCTGGTACGAGCAGATCCTGACCATGG  
 ACGTGAACTGGGCCAGGTGACCCTGCGGAACCCCGCGCCCGGGGAGCTGCCCA  
 AGACCTTACCTTTGACGCGGTGATGATGCCAGCTCCAAGCAGGCCGACCTGTATGACG  
 AAACCGTGAGGCCCTGATAGACTCCGTGCTCCAGGGTTTCAATGGCACGGTGTTCGCT  
 ATGGCCAGACGGGCACTGGCAAGACCTATACCATGCAGGGGACCTGGGTGGAGCCCGAGC  
 TGCGCGGGGTATCCCGAATGCCTTTGAGCACATCTTACCCACATCTCCCGCTCCAGAA  
 ACCAACAGTACCTGGTCCGGGCTCCTATTTGGAGATCTACCAGGAAGAGATTTCGAGACC  
 TGCTCTCAAGGAGCCGGGCAAGAGGCTAGAGCTGAAAGAGAACCCGAGACTGGCGTCT  
 ACATCAAGGACCTCTCCTCCTTCGTACCAAGAATGTCAAGGAGATTGAGCATGTGATGA  
 CCTGNGGAACAGACCCGGGCTGTGGGAGCACCACATGAATGAGGTGAGTCCCGCT  
 CCCATGCCATCTTATCATCACTGTGGAGTGCAGCGAACGTGCCTCTGATGGCCAGGACC  
 ACATCCGAGTGGGCAAGCTCAACCTCGTGGACCTGGCTGGCAGCGAGAGGCGAGAACAAGG  
 CAGGCCCAACACAGCGGAGGGGACGCCACCATCCTTCGTTGGCCGTGGTGGCGGTG  
 GAAGCCAATGGTGGTGGTCTGGA

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_002254 unedited AGAGTCGAGTTTTTTTTTTTTTTTTTTTGTAGAAATTTACTTATCACTTGAGATACCTAGA GACATTTTGGGCCATCACAAAGGAAGGTAAAGGAGTATCCCCCTAGGAACCAATTTGCGTA ACTAGTGAATAAAGGATCTATTGTCAACAAAATAATACCTTAAAGATGCAATTCAGAAAC AGGGGTAACAGGCAAAGCTGAAAAGATTGTGCCTGGGCTTCTGTTTCTGTGACAGATG AAGGGAAAAAGCAATAGATGTTAATATCTTCGTTTAGCGAGGGGTAGAATGACATTGACT CCTCCCCTGTGAACGGGTCTAGGCAGCTGCAGGGAGAATGATCGAAGCAGGCAGGAG CAGCCTTTGAAAATGGGGAGTTGCCTTGAGAGCCTGTCGACCAAATGACTCCTCGGAG GGGACAGAAACAAAGGAATCCAGTGGAGGGACTTCCGTTGATGACTGTCCAAGTTGTCTC AATTGCTGTTCCATTTCTGCAGGGCTCAAGGGGATGGTAATTGCTTGGCCACAGTTCC CATCCAAGGGGGAAAACCCACAATTTGGGAACCCCGATTCTTGTCCACCTGAGGGCCTG AACTTGTGCGACGCTTAAATGTCCTGAAACGAGCCAAACGGTAATGCGGTGCCTGAGC TCCAACAGCGAAGTGGGCTGTGCCCCGGGACCAAGCCCCACGTCATGTTTTTTTTTCCC CCGGAACCCTCTATCTTCTCATAAATGTCCCGCCCCCCCCCTCTTCCGTATATT AGGCCTAGATACGGTGCCAAACCGCCCTTCTTCCCCCCCCATTTTTTCCCGTATACAC TATTCCGCCCCCCCCCTCTTCTTCGCCGCTTTCTTTTTTCCACTCCATCCCCCCCCCTC CCCTATATGTATTTTCCCCCGTTTCCCTCCCTTTCCCCCCTTTTCCCCCCCCGCTCTT TCCTTTCATTCCCGGCCCCCCCCCCACCTATTTCCCCACCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002254
<b>Insert Size:</b>	3670 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_002254.5</a></u> , <u><a href="#">NP_002245.4</a></u>
<b>RefSeq Size:</b>	5401 bp
<b>RefSeq ORF:</b>	2382 bp
<b>Locus ID:</b>	3797
<b>UniProt ID:</b>	<u><a href="#">O14782</a></u>
<b>Cytogenetics:</b>	2p23.3
<b>Domains:</b>	kinesin

**Protein Families:** Druggable Genome

**Gene Summary:** Microtubule-based anterograde translocator for membranous organelles.[UniProtKB/Swiss-Prot Function]