

Product datasheet for SC104532

KIF16B (NM_024704) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF16B (NM_024704) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF16B
Synonyms:	C20orf23; KISC20ORF; SNX23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104532 sequence for NM_024704 edited (data generated by NextGen Sequencing)

```

ATGGCATCGGTCAAGGTGGCCGTGAGGGTCCGGCCCATGAATCGCAGGGAAAAGGACTTG
GAGGCCAAGTTTCATTATTCAGATGGAGAAAAGCAAACGACAATCACAACTTAAAGATA
CCAGAAGGAGGCACTGGGACTCAGGAAGAGAACGGACCAAGACCTTCACCTATGACTTT
TCTTTTTATTCTGCTGATACAAAAGCCAGATTACGTTTACAAAGAAATGGTTTTCAA
ACCCTCGGCACAGATGTCGTGAAGTCTGCATTTGAAGTTATAATGCTTGTGCTTTGCA
TATGGGCAAACTGGATCTGGAAGTCATACACTATGATGGGAAATCTGGAGATTCTGGC
TTAATACCTCGGATCTGTGAAGGACTCTCAGTCGGATAAATGAAACCACCAGATGGGAT
GAAGCTTCTTTTGAAGTGAAGTCAAGTCTACTTAGAAATTTATAACGAACGTGTGAGAGAT
CTACTTCGGCGGAAGTCATCTAAAACCTTCAATTTGAGAGTCCGTGAGCATCCCAAAGAA
GGCCCTTATGTTGAGGATTTATCCAACATTTAGTACAGAATTATGGTGACGTAGAAGAA
CTTATGGATGCGGGCAATATCAACCGGACCACCGCAGCGACTGGGATGAACGACGTCAGT
AGCAGGTCTCATGCCATCTTACCATCAAGTTCACCTCAGGCTAAATTTGATTCTGAAATG
CCATGTGAAACCGTCAGTAAGATCCACTTGTTGATCTTGCCGGAAGTGAGCGTGAGAT
GCCACCGGAGCCACCGGGTTAGGCTAAAGGAAGGGGAAATATTAACAAGTCCCTCGTG
ACTCTGGGAACGTCATTTCTGCCTTAGCTGATTTATCTCAGGATGCTGCAAATACTCTT
GCAAAGAAGAAGCAAGTTTTCTGCCTTACAGGGATTCTGTGTTGACTTGGTTGTTAAAA
GATAGCCTTGGAGGAACTCTAAAACATCATGATTGCCACCATTCACCTGCTGATGTC
AATTATGGAGAAAACCTAAGTACTCTTCGCTATGCAAATAGAGCCAAAAACATCATCAAC
AAGCCTACCATTAAATGAGGATGCCAACGTCAAACTTATCCGTGAGCTGCGAGCTGAAATA
GCCAGACTGAAAACGCTGCTTGCTCAAGGGAATCAGATTGCCCTTTAGACTCCCCACA
GCTTTAAGTATGGAGGAAAACTTCAGCAGAATGAAGCAAGAGTTCAAGAATTGACCAAG
GAATGGACAAATAAGTGAATGAAACCCAAAATATTTTGAAGAACAACCTTAGCCCTC
AGGAAAGAAGGGATTGGAGTTGTTTTGGATTCTGAACTGCCTCATTTGATTGGCATCGAT
GATGACCTTTTGGAGTACTGGAATCATCTTATATCATTTAAAGGAAGGTCAGACATACGTT
GGTAGAGACGATGCTCCACGGAGCAAGATATTGTTCTTCATGGCCTTGACTTGGAGAGT

```



[View online »](#)

GAGCATTGCATCTTTGAAAATATCGGGGGACAGTGACTCTGATACCCCTGAGTGGGTCC
CAGTGTCTGTGAATGGTGTTCAGATCGTGGAGCCACACATCTAAATCAAGGTGCTGTG
ATTCTCTTGGGAAGAACCAATATGTTTCGCTTTAACCATCCAAAGGAAGCCGCAAGCTC
AGGGAGAAGAGGAAGAGTGGCCTTCTGTCTCCTCAGCTTGTCCATGACCGACCTCTCG
AAGTCCCCTGAGAACCTGTCTGCAGTCATGTTGTATAACCCCGWCTTGAATTTGAGAGG
CAACAGCGTGAAGAACTGAAAAATTAGAAAGTAAAAGGAAACTCATAGAAGAAATGGAG
GAAAAGCAGAAATCAGACAAGGCTGAACTGGAGCGGATGCAGCAGGAGGTGGAGACCCAG
CGCAAGGAGACAGAAATCGTGCAGCTCCAGATTGCAAGCAGGAGGAGAGCCTCAAACGC
CGCAGCTTCCACATCGAGAACAAGCTAAAGGATTTACTTGCGGAGAAGGAAAAATTTGAA
GAGGAGAGGCTGAGGGAACAGCAGGAAATCGAGCTGCAGAAGAAGAGACAAGAAGAAGAG
ACCTTTCTCCGCGTCCAAGAAGAACTCCAACGACTCAAAGAACTCAACAACAACGAGAAG
GCTGAGAAGTTTCAGATATTTCAAGAAGTGGACCAGCTCCAAAAGGAAAAAGATGAACAG
TATGCCAAGCTTGAAGTGAAGAAAAAGAGACTAGAGGAGCAGGAGAAGGAGCAGGTCATG
CTCGTGGCCCATCTGGAAGAGCAGCTCCGAGAGAAGCAGGAGATGATCCAGCTCTCGCG
CGTGGGGAGGTACAGTGGGTGGAAGAGGAGAAGAGGGACCTGGAAGGCATTGCGGAAATCC
CTCCTGCGGGTGAAGGAGGCTCGTGCCGAGGGGATGAAGATGGCGAGGAGTTAGAAAAG
GCTCAACTGCGTTTTCTTGAATCAAGAGAAGGCAGCTTGTCAAGCTAGTGAAGTGGAG
AAGGACCTGGTTCAGCAGAAAGACATCCTGAAAAAGAAGTCCAAGAAGAACAGGAGATC
CTAGAGTGTAAAAATGTGAACATGACAAAAGAACTAGATTGTTGGAAAAACATGATGAG
AGTGTACAGATGTCACGGAAGTGCCTCAAGATTTGAGAAAAATAAGCCAGTGGAGTAC
AGGCTGCAATATAAAGAACGCCAGCTACAGTACCTCCTGCAGAATCACTTGCCAACTCTG
TTGGAAGAAAAGCAGAGAGCATTGAAATCTTGACAGAGGCCCTCTCAGCTTAGACAAC
ACTCTTTATCAAGTAGAAAAGGAAATGGAAGAAAAAGAAGAACAGCTTGCACAGTACCAG
GCCAATGCAAACCAGCTGCAAAAGCTCCAAGCCACCTTTGAATTAAGTCCCAACATTGCA
CGTCAGGAGGAAAAAGTGAAGAAAAAGGAAAAGGAGATTTTGGAGTCCAGAGAGAAGCAG
CAGAGAGAGGCGCTGGAGCGGGCCCTGGCCAGGCTGGAGAGGAGACATTCTGCGTGCAG
AGGCACTCCACCCTGGGCACGGAGATTGAAGAGCAGAGGCAGAAACTTGCCAGTCTGAAC
AGTGGCAGCAGAGAGCAGTCAAGGCTCCAGGCTAGCCTGGAGGCTGAGCAGGAAGCCCTG
GAGAAGGACCAGGAGAGGTTAGAATATGAAATCCAGCAGCTGAAACAGAAGATTTATGAG
GTCGATGGTGTTCAAAAAGATCATCATGGGACCCTGGAAGGGAAGGTGGCTTCTCCAGC
TTGCCAGTCAGTCTGAAAAATCACACCTGGTTCCCTCATGGATGCCAGGATCAATGCT
TACATTGAAGAAGAAGTCCAAGACGCCTTCAGGATTTGCATCGTGTGATTAGTGAAGGC
TGCACTACATCTGCAGACACGATGAAGGATAATGAGAACTTCACAATGGCACCATTCAA
CGTAAACTAAAATATGAGCGGATGGTTTCTCGCTCTTTGGGCGCAATCCAGATGACCTG
AAGGACCAATTAATAATAGTATCCCACGCTACGTCTCTGCGGGCAAGGAAAGGATGCA
CACTTCGAGTTTGGAGTCAAGATTACTGTCTAGATGAGACATGGACTGTATTAGGCGT
TACAGTCGTTTTGAGAAATGCATAAAACATTGAAGTTAAAGTATGCAGAGCTTGCTGCC
CTTGAATTTCTCAAAGAAACTATTTGAAATAAGGATGAACGTGTGATTGCTGAGAGA
CGAAGTCACTTAGAGAAATACCTCAGGGACTTTTTGAGGCTGATGCTCCAGTCCGCAACA
TCTCCCCTCCACATCAACAAAGTGGGACTGACTCTCTCGAAACATACCATTTGTGAGTTT
TCACCATTCTTCAAGAAAGGAGTCTTTGACTACAGCAGCCACGGGACGGGGTAG

Clone variation with respect to NM_024704.4
1785 a=>w;3080 t=>c

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024704 unedited</p> <pre> ATATAACCCCGCCCGTTGACGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATCGGCACGAGGCCGGCGACCGCGGAGTTCTGGGCTAGTGGGACCCCGCGGGGCT GGTTCGGGATGAGCGATGGCATCGGTCAAGGTGGCCGTGAGGGTCCGCCCATGAATCGC AGGGAAAAGGACTTGGAGCCAAGTTTATTATTCAGATGGAGAAAAGCAAACGACAATC ACAAACTTAAAGATACCAGAAGGAGGCACTGGGACTCAGGAAGAGAACGGACCAAGACC TTCACCTATGACTTTTTCTTTTTATTCTGCTGATACAAAAAGCCAGATTACGTTTCACAA GAGATGGTTTTCAAACCTCGGCACAGATGTCGTGAAGTCTGCATTTGAAGTTATAAT GCTTGTGTCTTTCATATGGGCAAACCTGGATCTGGAAAGTCATACACTATGATGGGAAAT TCTGGAGAGTCTGGCTTAATACCTCGGATCTGTGAAGGACTCTTCAGTCGGATAAATGAA ACCACCAGATGGGATGAAGCTTCTTTTCGAACTGAAGTCAGCTACTTAGAGATTTATAAC GAACGTGTGAGAGATCTACTTCGGCGGAAGTCATCTAAAACCTTCAATTTGAGAGTCCGT GAGCATCTAAAAGGCCCTTATGTTGAGGATTTATCCAACATTTAGTACAGAGTTATG GGTGACGNTAGAAGCACTTATGGATGCGGGCTATATCAACCGGACCACCGCAGCGACTGG GATGAACGACGTAGTACCAGGTCTCATGCCATCTTCACCATCAAGNTCACTCAGGCTAA ATTTGATTCTGAAATGCCATGTGAAACGTCAGTAGAGTCATT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024704 unedited</p> <pre> NAACGTTATCTATGNACGGGCCGATTCTANGATCGATTTTTTTTTTTTTTTTTTTTTTTT TTTTTAAATTTGGAAAAGCAAATACATTTAATAAAATTGGTGTGAATTATTACATAT TTTGATGGAACACTGTACAGAATGTATACATATAAACTATAGATAGAATTATATAC ATTTGAGTATACACCACATACATATTTTTTCCACTCACATTTTTCTTTAGTAAACAA AGCAGTTTTACTGTACACAGAAGTGAATGCTACATTAAGTCCTGAGTAATTTAAGGTAT CATTAATAAACTGCTATAAATCTAGTTTTCCAGCCAAAGATCCAATAGATTCTGTAACA AAAAATGTGAATAAATACTTAAAAATATGCATTTAGCTTTGCGTTCATTTTGTGCTTAGCA GAAAAAGCTCAAGAATGCACAGTAGCCATTTAGATTTGGGAGAATGTTCTTGAATTTCA AGGTTAAATAAATATCCTAATTGTAGGGATTTATAGAAGCTTTAAAGTATGTTGTCTACA TCCAATTTGTCAAGCATGGAAGACTACAGTCATGATTTGGATCAAAAATCCCTTTTTGCA GAATATGAAAATCTGTGGTAACATCAGTGGTTGGGTTTTATATTAAGTTCTCGTTTCAA TGAGGGGAAAAAAGAAAAATACNTGAATTTTTAAATGCTTTTCTGGGATATTAGC AGCCCCATGGGAGAAAATTAATAAACGAGTTTTTTTTTGTGAAAAGAGGAACCCGATGA AAGTCTTTTAGGGTGGGCTGGAAGCCCCCCCCTTGGGAAGTCCCAGCTTGGCGGGCTTC AGGAAACCACGAGGCCCAACAATTTTTTTTGA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024704
Insert Size:	4700 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_024704.3 , NP_078980.3
RefSeq Size:	5274 bp
RefSeq ORF:	5268 bp
Locus ID:	55614
UniProt ID:	Q96L93
Cytogenetics:	20p12.1
Domains:	PX
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a kinesin-like protein that may be involved in intracellular trafficking. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>