

Product datasheet for **SC104466**

KIF1B (AK023184) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF1B (AK023184) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF1B
Synonyms:	CMT2; CMT2A; CMT2A1; HMSNII; KLP; NBLST1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for AK023184 edited
 GAATTCGGCAGCAGGGGAAAGGGAATAAAGAAGAGAGCCAAAGAAAAGGGGGTAAAGGAG
 CTTTAAAGGATCCCCAGTTTCCATGGGGCTCTCAAGGAATGAGAAGTCAAGATCACATCC
 AAGTTAGCAAGCAGCACATTAATAATCAGCAACAGCCACCTCAACTACGTTGGAGAAGCA
 ATTCTCTCAATAATGGCCAGCCGAAAAGTACGCGCTGCCAGGCATCTGCCTCCGCGGAGT
 CATTAAGTCCCACAGTGGTCACCCCACTGCTGATGTACAGACTTTCAGGCAAAGCGCC
 ATATTCATCAACACCGTCAGTCTTACTGTAATTATAACACTGGAGGTCAAGTTAGAGGGCA
 ATGCAGCCACTTCTATCAGAAGCAGACTGACAAACCCAGCCACTGTAGCCAGTTTGTGA
 CACCTCCGCGGATGAGGAGACAGTTCTCAGCACCAATCTCAAAGCTGGTCGAGAAACCA
 CAGTATAAATCAGTTACTGGACAACTTGAAATCATGGTGAAGAAACAGACAGTGTAG
 CTCATGATTTGATTTGGTCTACCTTTGGCCTTGAGTTCTTATTATTACATTATAAATA
 TTAAGTGGTTTTATTTGTTAAGACAAACACTGGTAAAGTTTCAACACCTCCCTTTTG
 CTTGTATACCATAAATGGGCAGTTTCTGAAATTTTGGATAAAGCATCAAGAACTCCTTTT
 TCTGAAACGTTCTCTCTTTTGTAGTGCCTAATTAATATACTTACTTACACAGACTGTCC
 CATCTTGATGTAAGTTTGTATGTTTTATAATGCCTATAAATTAATCTGACATCCAGAA
 AGACCTGCCTCTTAGTTTATGCAGACATTCAAAAGGAGAATTTGATAAGCAGAATTAAT
 GTCTGTTATTCATAAATGTTAGAAATTGGTTTAAAAATAAATACATGCAACTGGGTGGGC
 ACAGCTTTGGATTTCTCATCCACGTCTGTTCCCTCTTTAAATATGATTAGAATTTTGT
 AAGCCAAACTAAAGGTCTTCAACATATCTTGAATACATAGCTTTGCATCTTCCACAC
 AACTTCCACGTCTTCTTTTATTCTGTATTTACAAAACTCATATAATGGTTTTTCTT
 TTGAATGTATCAGAATATGTATGAAATTTGTCATATCAGAATCTATAAATGGCACTGTG
 TCTGGGATTCTGTTTGTGGTTTGCATTTGAAGTTCAATGTATCATTTGACACACATGCA
 CACAAAGTGAATATTCACCAAAATCATGCCAACAGAAATACCAACAAAAAAGTTGTGTA
 GCTTGTAAAGGAGTTATTTGGCTTGAGAGGGAAGAGGTGGGACAGACATGGGGGACAAAG
 CTACAGCATATGGCTCTGTGGTGTCTTTTTTCAATAGTTGATGAAATAGTGAATAA
 AAGTTAACTTTGGTTGGGCTTGGAATAAAGGAGATGATACATAATAAACTATTCTTTGGT
 TAGCATTAGTAATGCTTGTAGACACTCAACAAGGAAGGCGAAGTCTGATGATGATTTA
 TTGTATCAATACCTCATTTTATTGGTTGTGGTCTCAGTTTGCCTCACTGGAGAATCCAC
 TAAGAAAGATGGATTTTAAATGGGAAGAAAAGATTATTTTCTACATCGTTCCTCATCTCT
 TGAGTTTGTCAAAAAGTTTCTAAGAGGCAGTGTGAAGAGCCAGAGATGTCCGAAATTGC
 CTGACTTCATGTTTTGGAAGATTCTAAGTCACATGAAATCATCTATCAAACTTGTCT
 TCCAAACGGTGTGAAAACTACAGCCAAGATAGCAGTTAGCATTCAAGGAAGCCTTAAAG
 ATTGTGATTATGTTTTTTTTTCTTTGCGTGTGGGCACTATGCTTTATTAGAACACATTA
 TTTTAAATCATAGTATTTTTTCTTTGCCTTAAGAAAATACTTTCTTAATGCTCAGAAAG
 TTGCTTCAATTAATGTTTTTTTCCCTTAAAAAGAGAAGCTTTGAGAGATATTTTGTCT
 TTCATAGCTAGAACAGTTGAAGTCTTCAACTGAGGTTTATAGCAGATTAGACATGGGTA
 AATGATGTCTGTAATGGGTTGAGTTACTGAGATGACAACTCTCCTGTGCCATTTGGTTTGA
 ATGTACTTGATAGGCTGCTTCAAATCAGTCACTTCAATGCATTTTGTGTAACCCAGTTG
 TCCTTTTTTATTCTCTTTAGACATAAATGTGCTAACTATTCTTTCTATACACAATTTA
 TTTTCTAAGATTAAAAATAAATTTGCTAGGTTTGGTGGCAGATGCGTACAGCCCCAGCT
 ACTTAGGAGGCTGAAGCAGGAGGATCCCTAGAGCCCAGGAGTTCTGGGCTGTGGTACACT
 ATGCCAGTTGGGTGTAAGTTTGGCATCAATATGGTGTATGCTTGAAGCAGGAAACCACA
 AACTTGCATCAGGACGGGTGAACCCAGCCAGGTTGGAATGGAGCAGGCCAAAACCTCCC
 AGGCTGATCAGTAATGGGATCTTGCTATGAATAGCCAGTGCAGTGCAGCCAGGACAACA
 GAGTGAGAACCTGTCTTTAAAAAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for AK023184 unedited
 GGGGGGGNNGGGNNNNNNNTNNNTTTTNNNNNTTTTTTCCCCCGCCGTTGNCGC
 AATGGGCGGTAGGCGTGTACGGTGGNAGTCTATATAAGCAGAGCTCATTTAGGTGACAC
 TATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTCGGCACGAGGGGAAAG
 GGAATAAAGAAGAGAGCCAAGAAAAAGGGTAAGGAGCTTTAAGGATCCCCAGTTTCC
 ATGGGGCTCTCAAGGAATGAGAAGTCAAGATCACATCCAAGTTAGCAAGCAGCACATTAA
 TAATCAGCAACAGCCACCTCAACTACGTTGGAGAAGCAATTCTCTCAATAATGGCCAGCC
 GAAAAGTACGCGCTGCCAGGCATCTGCCTCCGCGGAGTCATTAACCTCCACAGTGGTCA
 CCCCAGTCTGATGTACAGACTTTCCAGGCAAAGCGCCATATTCAACACCGTCAGTC
 TTAAGTGAATTATAAAGTGGAGGTGAGTTAGAGGGCAATGCAGCCACTTCCTATCAGAA
 GCAGACTGACAAACCCAGCCACTGTAGCCAGTTTGTGACACCTCCGCGGATGAGGAGACA
 GTTCTCAGCACCAATCTCAAAGCTGGTCGAGAAACACAGTATAAATCAGTTACTGGAC
 AAAGTTGAAATCATGGTGAAGAAACAGACAGTGTAGCTCATGATTTGATTTGGTTCTA
 CCTTTGGCCTTGAGTTCTTATTATTACATTATAAATATTAAGTGGTTNTATATTGTTAA
 GACAAACACTGGTAAAAGTTTCACACCTNCCTTTTGTCTGTATACCATAAATGGGCAGTT
 TCTGAAATTTTGNATAAGCATCAAGAAGTCTCTTTCTGNAAACGTNCTNCTTTTTTATG
 CCTAATNATATANCTACTACACAGACTTGTCCCATCTGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for AK023184 unedited
 AACACTAGTGTACTGTCCGACAACCTANGTTCNATTTTTTTTTTTTTTTTTTTTTTAAA
 AAATGTTCTCACTCTGTTGTCTGGCTGCAGTGCAGTGGCTATTCATAGGCAAGATCCCA
 TTAAGTATCAGCTGGGAGTTTTGGCCTGCTCCATTTCCAACCTGGGCTGGGTTACCCCG
 TCTGATGCAAGTTTGTGGTTTCTGCTTCAGGGACATCACCATTGATGCCAACTTA
 CACCAACTGGCAGTGTACCAAGCCAGAACTCCTGGGCTCTAGGGATCCTCCTGCT
 TCAGCCTCCTAAGTAGCTGGGGCTGTACGCATGTGCCACCAACCTAGCAATTATTATTT
 TTAATCTTAGAAAATAAATTGTGTATAGAAAGGAATAGTTAGCACATTTATGTCTAAAGA
 GGAATAAAAAAGGACAACCTGGGTTTACACAAAATGCATTGAAGTGACTGATTTGAAGCAG
 CCTATCAAGTACATTCAAACCAATGGCACAGGAGATTGCATCTCAGTAACTCAACCCA
 TTACAGACATCATTTACCCATGTCTAATCTGCTATAAACCTCAGTTGAAGACTTCAACT
 GTTCTAGCTATGAAAGCAAAAATATCTCTCAAAGCTTCTCTTTTAAGGGGAAAAAACA
 TTAATTGGAAGCAACTTTCTGAGCATTAAAGAAAGTATTTTCTTAGAGGCCAAGAAAAAAT
 ACTATGATTAAAAAATAATGGTGTCTAATAAAGCATAGTGCCACACGCAAGGGAAAAA
 AACCATANTCCCATCTTAAAGGGCTCCTNNTGATGCTAACTGCTATCTGGNCTGTAGTT
 TTTACACCGTTTGGAANACAAGTGTGATAAATGATTTTCATG

Restriction Sites:

NotI-NotI

ACCN:

AK023184

Insert Size:

2800 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:	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:	AK023184.1
RefSeq Size:	2521 bp
RefSeq ORF:	2521 bp
Locus ID:	23095
Cytogenetics:	1p36.22
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a motor protein that transports mitochondria and synaptic vesicle precursors. Mutations in this gene cause Charcot-Marie-Tooth disease, type 2A1. [provided by RefSeq, Jul 2008]