

Product datasheet for **SC319016**

KIF17 (NM_001122819) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KIF17 (NM_001122819) Human Untagged Clone
Tag: Tag Free
Symbol: KIF17
Synonyms: KIF3X; KIF17B; KLP-2; OSM-3
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001122819, the custom clone sequence may differ by one or more nucleotides

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ATGGCCTCCGAGGCGGTGAAGGTTGTCGTGCGCTGCCGTCCCATGAACCAGCGGGAGCGA
GAGCTGCGCTGCCAGCCCGTGGTACTGTGGACTGCGCGCGCGCCAGTCTGCATCCAG
AACCCGGGCGCCCGGACGAGCCGCCAAGCAGTTCACCTTCGACGGCGCCTACCACGTG
GACCACGTCAACGAGCAGATCTACAACGAGATCGCCTATCCGCTGGTGGAGGGCCTCACT
GAGGGCTACAATGGCACCATCTTGCCTACGGCCAGACAGGCAGCGGGAAGTCTTCACC
ATGCAGGGCTGCCGGATCCGCCCTCCCAGAGAGGCATCATCCCCAGGGCCTTCGAGCAC
GTGTTTCGAGAGCGTCCAGTGTGCAGAGAACTAAGTTCCTGGTCCGGGCTCCTACCTG
GAGATCTACAATGAAGATGTCCGGGACCTCTTGGGGCTGACACCAAGCAGAAGCTGGAG
CTGAAGGAGCACCCAGAGAAGGGCGTGTACGTGAAGGGGCTGTCCATGCACACGGTGCAC
AGCGTGGCCAGTGTGAGCACATCATGGAGACTGGCTGGAAGAACCCTCGGTCGGCTAC
ACGCTGATGAACAAGGATTCCTCAGCTCGCACTCCATCTTCACCATCAGCATCGAGATG
TCTGCCGTGGATGAGCGGGGCAAGGACCACCTCCGGGCGGGCAAGCTGAACCTGGTGGAC
CTGGCGGGCAGCGAGCGGAGTCCAAGACCGGGGCCACGGGCGAGCGGCTCAAGGAGGCC
ACCAAGATCAACCTGTCGCTCTCGGCACTGGGCAATGTCATCTCGGCGCTGGTGGACGG
CGCTGTAAGCACGTCCCCTACCCTGACTCGAAGCTGACGCGGCTGCTGCAGGACTCACTG
GGCGGCAACACCAAGACGCTCATGGTGGCCTGCCTGTCGCTGCGGACAACAACACTACGAT
GAGACTACTCAGCACGCTGCGCTACGCCAACCGGGCCAAGAACATCAGGAACAAGCCGCGC
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GTGCCCCAGACCCTGTGACAGTGGAGGAGAAGCTGTTGCCCAACCTGTGATCCAGCAT
GACGTGGAGGCCGAGAAGCAGCTGATCCGGGAGGAGTATGAAGAGCGCCTGGCCCGGCTG
AAAGCCGACTATAAGGCCGAGCAGGAGTCTCGGGCCAGGCTGGAGGAAGACATCACTGCC
ATGCGCAACTCATATGACGTGAGCTGTCCACGCTGGAGGAGAACCTGCGGAAGGAGACA
GAGGCTGTCTGAGGTGGGAGTCTCTACAAGCTGAGGTCATGTCCAGGGCTGAGTTT
GCCAGCAGCGCTGAGTACCCGCCTGCTTTTCAGTATGAGACAGTGGTGAACCCAAAGGTC
TTCTCCACGACTGACACTCTGCCAGTGCAGTGTCTCCAAGACTCAGGTTTCTCCAGG
TTTGCGGAGCTGCCCAAGGTGGAACCTCCAAATCTGAGATTTCTCTGGGCTCCAGTGAG
TCATCCTCGCTCGAAGAAACCTCTGTGTCCGAGGCTTTCCCTGGGCTGAGGAGCCCTCC
AACGTGGAGGTCTCCATGCCACTGAGGAGTCCAGGAGCAGATACTTCTGGATGAGTGC
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CTCGGGCAGGAGGCCGCTGGGCACCTGCTGGGGGAACAGAACTACCTCCCGCAAGAGGAG
CCGCAGGAGGTGCCCTGCAGGGTTACTAGGCCTGCAGGACCCGTTTGCCGAGGTGGAA
GCCAAGCTGGCCAGACTCTCCTCCACCGTGGCCAGGACAGATGCACCCAGGCAGACGTC
CCCAAGTCCCTGTGCAGGTCCCTGCGCCGACAGACCTGCTGGAGCCAGTGATGCCAGG
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GTGGCCCTGGTGGCTCAGCCTGAGCCCTGCCGGCCACAGCTGGTGTGAAGAGGGAGAGC
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GTGCTGGCCCGTCTGCAGCTGTTGGAGCAGAGTTGTGGGTGGAGAGCAGGCCAAGAAC
AAGGACCTGAAGGAGAAGCACAAGCGGCCAAGCGCTACGCAGACGAGCGCAGGAAGCAG
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TACGACTCCATCCAGGAGGAAGTGGGGCAAGAGCAAGCTGCTGGAGAAGATGCAGAGG
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CTGGAGCAGGTGCAGCCCTGATTCGCAGGGACTGTAACACAGCAACCTGGAGAAGATT
CTGCGTGAGTCCCTGCTGGGACGAAGATAACGGCTTCTGGAAGATCCCACATCCCCTCATC
ACAAAAACCAGCCTCCCAGTAGTTTCAACTGGGCCACAGAAACAAACCAGCCCGCAAAACC
TCTGCAGCAGACAATGGCGAGCCGAACATGGAGGACGACCGCTACAGGCTCATGCTCAGT
CGGAGCAACAGTGAACATTGCCAGCAACTACTTCCGATCTAAGCGGGCCAGCCAGATC
CTCAGCACAGACGCCAGGAAGAGCCTCACACATCACAACCTGCCACCAGGCCTCAGCTGC
CCACTCAGCAACAACCTGCCATCCCACCCACCCAGGCCCTGAAATGCCCCAGCCCCGG
CCCTTCGGCCTCGAGTCCCTCGACATCCCTTTCACCAAGGCCAAGCGTAAGAAAAGCAAA
AGCAACTTTGGCAGTGAGCCTCTG

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- Restriction Sites:** Please inquire
- ACCN:** NM_001122819
- 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.
- RefSeq:** [NM_001122819.1](#), [NP_001116291.1](#)
- RefSeq Size:** 3807 bp
- RefSeq ORF:** 3087 bp

Locus ID:	57576
UniProt ID:	Q9P2E2
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome
Gene Summary:	<p>Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor 2B along microtubules. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a.</p>