

Product datasheet for **SC126258**

KIF17 (NM_020816) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KIF17 (NM_020816) Human Untagged Clone
Tag: Tag Free
Symbol: KIF17
Synonyms: KIF3X; KIF17B; KLP-2; OSM-3
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020816 edited
 CTTGGCCCGGGCTGCTGGGAGTCCCCGGGGGGGGGGTTCAGCTCTGGTCCCGGTGGTC
 CTGGGCGGGCCCATGGCCTCCGAGGGGTGAAGTTGTCGTGCGCTGCCGTCCCATGA
 ACCAGCGGGAGAGAGCTGCGCTGCCAGCCCGTGGTACTGTGGACTGCGCGCGCGCCC
 AGTGCTGCATCCAGAACCCGGGCGCCGACGAGCCGCCAAGCAGTTACCTTCGACG
 GCGCCTACCACGTGGACCACGTACCGAGCAGATCTACAACGAGATCGCCTATCCGCTGG
 TGGAGGGCGTCACTGAGGGCTACAATGGCACCATCTTTGCCTACGGCCAGACAGGACGG
 GGAAGTCTTACCATGCAGGGCCTGCCGGATCCGCCCTCCAGAGAGGCATCATCCCCA
 GGGCCTTCGAGCACGTGTTGAGAGCGTCCAGTGTGCAGAGAACACTAAGTTCCTGGTCC
 GGGCCTCTACCTGGAGATCTACAATGAAGATGTCGGGACCTCCTTGGGGCTGACACCA
 AGCAGAAGCTGGAGCTGAAGGAGCACCCAGAGAAGGGCGTGTACGTGAAGGGGCTGTCCA
 TGCACACGGTGCACAGCGTGGCCAGTGTGAGCACATCATGGAGACTGGCTGGAAGAACC
 GTTCGGTTCGGCTACACGCTGATGAACAAGGATTCTCACGCTCGCACTCCATCTTACCA
 TCAGCATCGAGATGTCTGCCGTGGATGAGCGGGGCAAGGACCACCTCCGGGCGGGCAAGC
 TGAACCTGGTGGACCTGGCGGGCAGCGAGCGGCAGTCCAAGACCGGGGCCACGGGCGAGC
 GGCTCAAGGAGGCCACCAAGATCAACCTGTCGCTCTCGGCACTGGGCAATGTCATCTCG
 CGCTGGTGGACGGGCGCTGTAAGCACGTCCCCTACCGTACTCGAAGCTGACGCGGCTGC
 TGCAGGACTCACTGGGCGGCAACACCAAGACGCTCATGGTGGCCTGCCTGTCGCTGCGG
 ACAACAACACTACGATGAGACACTCAGCAGCTGCGCTACGCCAACCGGGCCAAAGAATCA
 GGAACAAGCCCGCATCAATGAGGACCCCAAGGATGCGCTGCTTCGCGAGTACCAGGAGG
 AGATCAAGAAGCTCAAGGCCATCTGACACAGCAGATGAGCCCCAGCAGCTGTACAGCCC
 TGCTGTCCAGGCAGGTGCCCCAGACCCTGTGCAGGTGGAGGAGAAGCTGTTGCCCAAC
 CTGTGATCCAGCATGACATGGAGGCCGAGAAGCAGCTGATCCGGGAGGAGTATGAAGAGC
 GCCTGGCCCGGCTGAAAGCCGACTATAAGGCCGAGCAGGAGTCTCGGGCCAGGCTGGAGG
 AAGACATCACTGCCATGCGCAACTCATATGACGTCAGGCTGTCCAGCTGGAGGAGAACC
 TCGGAAGGAGACAGAGGCTGTCCTGCAGGTGGGAGTCTCTACAAGGCTGAGGTCATGT
 CCAGGGCTGAGTTTGCCAGCAGCGCTGAGTACCCGCTGCTTTTCAGTATGAGACAGTGG



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TGAAACCCAAGGTCTTCTCCACGACTGACACTCTGCCAGTGACGATGTCTCCAAGACTC
AGGTTTCTCCAGGTTTGCAGGACTGCCAAGGTGGAACCTCCAAATCTGAGATTTCTC
TGGGCTCCAGTGAGTCATCTCGCTCGAAGAACTCTGTGTCCGAGGCTTTCCCTGGGC
CTGAGGAGCCCTCCAACGTGGAGGTCTCCATGCCCACTGAGGAGTCCAGGAGCAGATACT
TCCTGGATGAGTGCTCGGGCAGGAGCCGCTGGGCACCTGCTGGGGAACAGAACTACC
TCCCGCAAGAGGAGCCGAGGAGGTGCCCTGCAGGGTTACTAGGCTGCAGGACCCGT
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CCAGGCAGACGTCCCCAAGTCCCTGTGCAGGTCCCTGCGCCGACAGACCTGCTGGAGC
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ATCTGGCCTCGGAAGTGGCCTTAGAGGTGGTGGGACAGCAGAGCCTGGCGTGTGGTTGG
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TGAAGAGGGAGAGCGTGGGCATGGAGGTGGCAGTGTGACTGATGACCCGCTGCCCGTTG
TGGACCAGCAGAGGTGCTGGCCGCTGCAGCTGTTGGAGCAGCAGGTTGTGGTGGAG
AGCAGGCCAAGAACAAGGACCTGAAGGAGAAGCACAAGCGGCCAAGCGTACGCAGACG
AGCGCAGGAAGCAGCTGGTGGCTGCCCTGCAGAACTCGGATGAGGACAGCGGGGACTGGG
TGCTGTAAACGTCTACGACTCCATCCAGGAGGAAGTGCGGGCCAAGAGCAAGCTGCTGG
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CACATCCCGTCATCACAAAAACAGCCTCCCAGTAGTTTCAACTGGGCCACAGAACAAC
CAGCCCCGAAAACCTCTGCAGCAGACAATGGCGAGCCGAACATGGAGGAGGACCGCTACA
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GGGCCAGCCAGATCCTCAGCACAGACGCCAGGAAGAGCCTCACACATCACAACCTGCCAC
CAGGCCTCAGTGCCCACTCAGCAACAACCTTGCCATCCCACCCACCCAGGCCCTGAAA
TGCCCCAGCCCCGGCCCTTCGCTCGAGTCCCTCGACATCCCTTTCACCAAGGCCAAGC
GTAAGAAAAGCAAAGCAACTTTGGCAGTGAGCCTCTGTGAGCACAGCTGCTTGCCATTG
CCTGCCTTATAGGCATGTAGAGACTGCCAGGCCCTCCCAGGGCAGCCCCAACAGGTCTC
CTCCACCTGCCACACAGCGCTCCGGGGCCTGAGGGCTCCCTCAGCCCTGGGAAGACACA
TTCCCTTCCCTGTTCCCCAGAGAGCCACCTCTGCCCTGGGCAGGAGCCCTCGGAGGCT
GTATAGTCTCCTTAGAGAGGCCTGCTCCAGCTGTTCCATACCACATCAGTGTTCCTGCT
GCTCACCTGCCACAGAGCCACACCCATGCCACCAAGTGTGGTCTTGCCTCAAAGCCT
GAGACCTGCTTACGGCCTTACCAGCCCTGATGGAGAGGGCAGCAGCTGCCACGTGGAG
GAAGCTCAATATCAGCTGGGAAGGAACTGTGCCTCTGTCTGACTGGCCCCACTTCCCTAAG
CACTGCCCTGCCCATGGGGTGGCACAGGGTCCCACAGCAGGTCTTCTGCACTGCCCA
CCCCTGGCTGGTCTGTGGCCCAAGGAAGGCCACTCCACATTAAGTGCCTCAATAAACTGC
TTTTAAGATAAAAAAAAAAAAAAAAAAAGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020816 unedited CGTCTAAATTTGTATACGACTCATATAGGCGGCCGCGTATTGAGATCTGGTACCGGTCCG GAATTCCTCCGGGATATCGTCGACCCACGCGTCCGCTTGGCCCGGGCTGCTGGGAGTCCCCG GCGGGGCGGGGGTCACTCTGGTCCCCTGGTCTGGGCGCGGCCATGGCCTCCGAGG CGGTGAAGGTTGTCGTGCGCTGCCGTCCCATGAACCAGCGGGAGCGAGAGCTGCGCTGCC AGCCCGTGGTACTGTGGACTGCGCGCGGCCAGTGTGCATCCAGAACCCGGGCGCCG CCGACGAGCCGCCAAGCAGTTACCTTCGACGCGCCTACCACGTGGACCACGTCACCG AGCAGATCTACAACGAGATCGCCTATCCGCTGGTGGAGGGCGTCACTGAGGGCTACAATG GCACCATCTTTGCCTACGGCCAGACAGGACGCGGAAAGTCTTACCATGCAGGGCCTGC CGGATCCGCCCTCCAGAGAGGCATCATCCCCAGGGCCTTCGAGCACGTGTTGAGAGCG TCCAGTGTGACAGAGAACAATAAGTTCTGGTCCGGGCCTCTACCTGGAGATCTACAATG AAGATGTCGGGACCTCCTTGGGGCTGACACCAAGCAGAAGCTGGAGCTGAAGGAGCACC CAGAGAAGGGCGTACGTGAAGGGCTGTCCATGCACACGGTGCACAGCGTGGCCAGT GTGAGCACATCATGGAGACTGGTGGAAAGAACCGTTCGGTCCGCTACACGCTGATGAACA AGGATTCCTCACGCTCGCACTTTCATCTTACCATCAGCATCGAGATGTCTGCCGTGGATG AGCGGGGCAAGGACACCTNCGGNCGGCAAGCTGAACCCTGTGGACCCTGCGGGCANCGA GCGGCAGTCCAAGACCGGGGCCACGGGCGAGCC
Restriction Sites:	Please inquire
ACCN:	NM_020816
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:	<u>NM_020816.1</u> , <u>NP_065867.1</u>
RefSeq Size:	3968 bp
RefSeq ORF:	3090 bp
Locus ID:	57576
UniProt ID:	<u>Q9P2E2</u>
Cytogenetics:	1p36.12
Protein Families:	Druggable Genome

Gene Summary: Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor 2B along microtubules.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (a).