

Product datasheet for **SC337686**

KIF17 (NM_001287212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF17 (NM_001287212) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF17
Synonyms:	KIF3X; KIF17B; KLP-2; OSM-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001287212, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGGCCTGCCGGATCCGCCCTCCCAGAGAGGCATCATCCCCAGGGCCTTCGAGCACGTGTTTCGAGA
GCGTCCAGTGTGCAGAGAACTAAGTTCCTGGTCCGGCCCTCTACCTGGAGATCTACAATGAAGATGT
CCGGGACCTCCTTGGGGCTGACACCAAGCAGAAGCTGGAGCTGAAGGAGCACCCAGAGAAGGGCGTGTAC
GTGAAGGGCTGTCCATGCACACGGTGCACAGCTGGCCAGTGTGAGCACATCATGGAGACTGGCTGGA
AGAACCCTTCGGTCGGCTACACGCTGATGAACAAGGATTCCTCACGCTCGCACTCCATCTTCACCATCAG
CATCGAGATGTCTGCCGTGGATGAGCGGGCAAGGACCACCTCCGGGCGGGCAAGCTGAACCTGGTGGAC
CTGGCGGGCAGCGAGCGGAGTCCAAGACCAGGGCCACGGGCGAGCGGCTCAAGGAGGCCACCAAGATCA
ACCTGTGCTCTCGGCACTGGGCAATGTCATCTCGGCGCTGGTGGACGGGCGCTGAAGCACGTCCCCTA
CCGTGACTCGAAGCTGACGCGGCTGCTGCAGGACTCACTGGGCGGCAACACCAAGACGCTCATGGTGGCC
TGCTGTGCTCGGACAACAACACTACGATGAGACTCAGCACGCTGCGCTACGCCAACGGGCAAGA
ACATCAGGAACAAGCCGCGCATCAATGAGGACCCCAAGGATGCGTGCTTCGCGAGTACCAGGAGGAGAT
CAAGAAGCTCAAGGCCATCCTGACACAGCAGATGAGCCCCAGCAGCCTGTGAGCCCTGCTGTCCAGGCAG
GTGCCCCAGACCCTGTGACAGGTGGAGGAGAAGCTGTTGCCCAACCTGTGATCCAGCATGACGTGGAGG
CCGAGAAGCAGCTGATCCGGGAGGAGTATGAAGAGCGCCTGGCCCGGCTGAAAGCCGACTATAAGGCCGA
GCAGGAGTCTCGGGCCAGGCTGGAGGAAGACATCACTGCCATGCGCAACTCATATGACGTGAGGCTGTCC
ACGCTGGAGGAGAACCTGCGGAAGGAGACAGAGGCTGTCTGCAGGTGGGAGTCCCTACAAGGCTGAGG
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ACCCAAGGTCTTCTCCAGACTGACACTCTGCCAGTACGATGTCTCCAAGACTCAGGTTTCTCCAGG
TTTGGGAGCTGCCCAAGGTGGAACCTCCAATCTGAGATTTCTTGGGCTCCAGTCCACTCCG
TGAAGAACAACCTCTGTGTCGAGGCTTTCCCTGGGCTGAGGAGCCCTCAACGTGGAGGTCTCCATGCC
CACTGAGGAGTCCAGGAGCAGATACTTCTGGATGAGTGCTCGGGCAGGAGGCCCTGGGCACCTGCTG
GGGGAACAGAACTACCTCCCGAAGAGGAGCCGAGGAGGTGCCCTGCAGGGGTTACTAGGCTGCAGG
ACCCGTTTGCCGAGGTGGAAGCAAGCTGGCCAGACTCTCTCCACCGTGGCCAGGACAGATGCACCCCA
GGCAGACGTCCCCAAGTCCCTGTGCAGGTCCCTGCGCCGACAGACCTGCTGGAGCCAGTGTGCCAGG
CCCGAAGCCGAGGCGGCTGATGACTTCCCGCCAGGCCTGAGGTAGATCTGGCCTCGGAAGTGGCCTTAG
AGGTGGTGGGACAGCAGAGCCTGGCGTGTGGTTGGAGGCTCAGGCCCGGTGGCCCTGGTGGCTCAGCC
TGAGCCCTGCCCGCCACAGCTGGTGTGAAGAGGGAGAGCGTGGGCATGGAGGTGGCAGTGTGACTGAT
GACCCGCTGCCCGTTGTGGACCAGCAGCAGGTGCTGGCCCGTCTGCAGCTGTTGGAGCAGCAGGTTGTGG
GTGGAGAGCAGGCCAAGAACAAGGACCTGAAGGAGAAGCAACAAGCGGCGCAAGCGCTACGCAGACGAGCG
CAGGAAGCAGCTGGTGGCTGCCCTGCAGAACTCGGATGAGGACAGCGGGGACTGGGTGCTGCTTAACGTC
TACGACTCCATCCAGGAGGAAGTGCAGGCAAGCAAGCTGCTGGAGAAGATGCAGAGGAAGCTTCGGG
CAGCAGAGGTGGAGATCAAAGATCTGCAGTCCGAGTTTCAGTGGAGAAGATCGATTACTTGGCCACCAT
CCGCCGGCAGGAGCGTACTCCATGCTCTTGCAGCAGCTCCTGGAGCAGGTGCAGCCCCTGATTCGACAGG
GACTGTAACACAGCAACCTGGAGAAGATTCTGCGTGAGTCTGCTGGGACGAAGATAACGGCTTCTGGA
AGATCCACATCCCCTCATCACAACCAAGCCTCCCAGTAGCAGTTTCAACTGGGCCACAGAACAACCC
AGCCCGCAAAACCTCTGCAGCAGACAATGGCAGCCGAACATGGAGGACGACCCGCTACAGGCTCATGCTC
AGTCGGAGCAACAGTGAACAATTGCCAGCAACTACTTCCGATCTAAGCGGGCCAGCCAGATCCTCAGCA
CAGACGCCAGGAAGGCCTCACACATCACAACCGCCACCGCCCTCAGCTGCCACTCAGCAACAACCTC
TGCCATCCACCCACCCAGGCCCTGAAATGCCCGAGCCCGGCCCTTCCGCTCGAGTCCCTCGACATC
CCTTTCACCAAGGCCAAGCGTAAGAAAAGCAAAAGCAACTTTGGCAGTGGCCTCTGTGA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001287212

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_001287212.1 , NP_001274141.1
RefSeq Size:	4130 bp
RefSeq ORF:	2790 bp
Locus ID:	57576
UniProt ID:	Q9P2E2
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 (3) differs in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a.