

Product datasheet for **MC220730**

Kif17 (NM_001190978) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif17 (NM_001190978) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif17
Synonyms:	5930435E01Rik; AW492270; Kif17b; mKIAA1405
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220730 representing NM_001190978
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCGGAGTCAGTAAAGTGGTCTGTCGCTGCCAGCCATGAACAAGCGCGAGCGGAGCTGAGCT
 GCCAGTCGGTGGTGACGGTGGACAGTGCAGCGCGCCAATGCTTCATTAGAACCCGGGAGCGGCGGACGA
 ACCCCAAAGCAGTTCACCTTCGATGGCGCTACTACATAGAACACTTCCAGGAGCAGATCTACAACGAG
 ATCGCCTACCCGCTGGTGGAGGGTGTACCGAAGGCTACAATGGGACATTTTTCGCTATGGCCAGACAG
 GCAGTGGGAAGTCTTCCACCATGCAGGGACTGCCAGATCCCCCTGCCAGAGGGGCATCATTCCAGAGC
 CTTGAGCAGCTGTTGAGAGCGTTCAGTGTGCAGAGAACACCAAGTCTTAGTGCGGGCTTCTATCTG
 GAGATCTACAACGAAGATGTCCATGACCTGCTGGGCGTGACACCAAGCAGAGGCTTGGCTGAAGGAGC
 ATCCCGAGAAGGGAGTGTATGTCAAGGGCTGTCCATGCACACGGTACACAACGTGGCCAGTGCAGGCG
 CGTCATGGAGACCGGCTGGAAGAACCGTGGGTTGGCTACACCCTGATGAATAAGGACTCCTCCCGTTCC
 CACTCCATCTTTACCATCAACATCGAGATCTATGCCGTGGATGAACGGGGTAAGGACCATCTTCGTGCAG
 GCAAGCTCAACCTGGTAGACCTGGCCGGCAGTGAGCGGCAATCCAAGACTGGGGCCACAGGGGAAAGGCT
 GAAGGAGGCCACCAAAATTAACCTGTCACTGTCCGGCGTGGGCAACGTACTCTCGGCACTGGTGGATGGG
 CGCTGCAAGCACATTCCTTACCGGGACTCGAAGCTGACCCGACTGCTTCAGGACTCACTGGTGGCAACA
 CCAAGACTCTGATGGTGGCTTGCCTGTCTCCCGCAGACAACAATTACGATGAGACCCTCAGTACGCTGCG
 CTATGCTAACAGGGCCAAGAATCAAGAACAAGCCACGCATTAATGAAGACCCCAAGGATGCCCTGCTT
 CGAGATACCAGGAAGAGATCAAGAGGCTAAAGGCTATCCTCGCCAGCAGATGGGCCCTGGCAACCTGT
 CAGCCCTGCTGTCCACTCAGACACCCCGAGCCAGTCCAGTCTGAGGAGAAGCTGTGTCCCAACTAC
 TGTCCAGCAGGACACGGAGGCTGAGAAGCAGTTGATCCGAGAGCCATCCTCGGCTGACCTGCTGGAGCCC
 AGCGACACCAAGTCAGAAGCTGATGTGGCTGTGGCTGACAACGTGTCCTCGGGACTGAGCCTGATGTAA
 ACCTGAGAGTGGCTGAGGAGGTGGTTTCTGAGGCAGAGACTGGCGTGTGGATGGAGTCTGAAGCCAGGT
 GGCCCATGTGGCCAGGTGTCTGAGGAGGCCAGCCTCAGCCCTTGTGGCCATGGTGGAGTGGAGGAGG
 GAAAGTGTGGGTGAGAAGTGGCTGTGTTGACGGAGGAGGAGCTGCAGCCTGTGGATCAACAGCAGGTGC
 TGGCCCGCTTGCAGTTGCTGGAGCAGCAGGTGGTGGGGGCGAGCAGGCTAAAAACAAGGACCTGAGGGA
 GAAGCACAAAGCGCGGAAGCGGTACGCAGATGAGCGCAAGAAGCAGCTGGTGGCCGACTGCAGAACTCG
 GATGAGGATGGCGGGACTGGGTGCTGCTCAACGTCTATGACTCTATCCAGGAGGAAGTGGGGCCAAGA
 GCAAGCTGCTGGAGAAGATGCAGAGGAAGCTCCGGGCAGCAGAGGTAGAAATCAAGGACCTGCAGTCAGA
 GTTCCAGCTGGAGAAGATTGATTACCTGGCAACCATCCGCGGCAGGAGCGGGACTCCATGCTCTCCAG
 CAACTCTGGAGCAGGTGCAGCCTCTCATCCGAGAGACTGTAACCTATAGCAACCTGGAGAAGATCAGGC
 GAGAGTCGAGCTGGGATGAGGATAATGGCTTCTGGAAGATCCCAGATCCCATCATACTGAAAACAGCCT
 CCCAGTAGTTCCAACCTGGGACACAGAACAAGCCAGCTCGAAAAACCTCTGCAGTAGACAGTGGGGAGCCA
 CACATGCATATCACAACCTACCACCGGGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001190978

Insert Size: 2133 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:	<u>NM_001190978.1, NP_001177907.1</u>
RefSeq Size:	3098 bp
RefSeq ORF:	2133 bp
Locus ID:	16559
Cytogenetics:	4 D3
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) lacks both an in-frame segment in the central coding region and an exon that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>