

Product datasheet for **MR222402**

Kif17 (NM_001190978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif17 (NM_001190978) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide
Sequence:**

>MR222402 representing NM_001190978
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCGGAGTCAGTAAAGTGGTCTGTCGCTGCCAGCCATGAACAAGCGCGAGCGGAGCTGAGCT
 GCCAGTCGGTGGTACGGTGGACAGTGCAGCGCGCCAATGCTTCATTAGAACCCGGGAGCGGCGGACGA
 ACCCCAAAGCAGTTCACCTTCGATGGCGCTACTACATAGAACACTTCCAGGAGCAGATCTACAACGAG
 ATCGCCTACCCGCTGGTGGAGGGTGTACCGAAGGCTACAATGGGACATTTTTGCCTATGGCCAGACAG
 GCAGTGGGAAGTCTTCCACCATGCAGGGACTGCCAGATCCCCCTGCCAGAGGGGCATCATTCCAGAGC
 CTTGAGCAGCTGTTGAGAGCGTTCAGTGTGCAGAGAACAAGTCTTAGTGCGGGCTTCTATCTG
 GAGATCTACAACGAAGATGTCCATGACCTGCTGGGCGTGACACCAAGCAGAGGCTTGAGCTGAAGGAGC
 ATCCCAGAAAGGAGTGTATGTCAAGGGCTGTCCATGCACACGGTACACAACGTGGCCAGTGCAGGCG
 CGTCATGGAGACCGGCTGGAAGAACCGTGGGTTGGCTACACCCTGATGAATAAGGACTCCTCCCGTTCC
 CACTCCATCTTTACCATCAACATCGAGATCTATGCCGTGGATGAACGGGGTAAGGACCATCTTCGTGCAG
 GCAAGCTCAACCTGGTAGACCTGGCCGGCAGTGAAGCGCAATCCAAGACTGGGGCCACAGGGGAAAGGCT
 GAAGGAGGCCACCAAAATTAACCTGTCACTGTCCGGCGCTGGGCAACGTCACTCCGGCACTGGTGGATGGG
 CGCTGCAAGCACATTCCTTACCGGGACTCGAAGCTGACCCGACTGCTTCAGGACTCACTGGTGGCAACA
 CCAAGACTCTGATGGTGGCTTGCTGTCTCCCGCAGACAACAATTACGATGAGACCCTCAGTACGCTGCG
 CTATGCTAACAGGGCCAAGAATCAAGAACAAGCCACGCATTAATGAAGACCCCAAGGATGCCCTGCTT
 CGAGATACCAGGAAGAGATCAAGAGGCTAAAGGCTATCCTCGCCAGCAGATGGGCCCTGGCAACCTGT
 CAGCCCTGTCTCACTCAGACACCCCGCCAGTCCAGTCTGAGGAGAAGCTGCTGCCCAACTAC
 TGTCCAGCAGGACACGGAGGCTGAGAAGCAGTTGATCCGAGAGCCATCCTCGGCTGACCTGCTGGAGCCC
 AGCGACACCAAGTCAGAAGCTGATGTGGCTGTGGCTGACAACGTGTCCTCGGGACTGAGCCTGATGTAA
 ACCTGAGAGTGGCTGAGGAGGTGGTTTCTGAGGCAGAGACTGGCGTGTGGATGGAGTCTGAAGCCAGGT
 GGCCCATGTGGCCAGGTGTCTGAGGAGGCCAGCCTCAGCCCTTGTGGCCATGGTGAAGCTGAGGAGG
 GAAAGTGTGGGTGTAGAAGTGGCTGTGTTGACGGAGGAGGAGCTGCAGCCTGTGGATCAACAGCAGGTGC
 TGGCCCGCTTGCAGTTGCTGGAGCAGCAGGTGGTGGGGGCGAGCAGGCTAAAAACAAGGACCTGAGGGA
 GAAGCACAAGCGCGGAAGCGGTACGCAGATGAGCGCAAGAAGCAGCTGGTGGCCGACTGCAGAACTCG
 GATGAGGATGGCGGGACTGGTGTCTCAACGTCTATGACTCTATCCAGGAGGAAGTGAAGGCAAGA
 GCAAGCTGCTGGAGAAGATGCAGAGGAAGCTCCGGGCAGCAGAGGTAGAAATCAAGGACCTGCAGTCAGA
 GTTCCAGCTGGAGAAGATTGATTACCTGGCAACCATCCGCCGGCAGGAGCGGGACTCCATGCTCTCCAG
 CAACTCTGGAGCAGGTGCAGCCTCTCATCCGAGAGACTGTAACCTATAGCAACCTGGAGAAGATCAGGC
 GAGAGTCGAGCTGGATGAGGATAATGGCTTCTGGAAGATCCCAGATCCCATCATACTGAAAACAGCCT
 CCCAGTAGTTCCAACCTGGGACACAGAACAAGCCAGCTCGAAAAACCTCTGCAGTAGACAGTGGGGAGCCA
 CACATGCATATCAAACTACCACCGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222402 representing NM_001190978
 Red=Cloning site Green=Tags(s)

MASESVKVVVRCRPMNKRERELSCQSVVTVD SARGQCFIQNPGADEPPKQFTFDGAYYIEHFTEQIYNE
 IAYPLVEGVTEGYNGTIFAYGQTGSGKSFTMQGLPDPCCQIRGIIPRAFEHVFESVQCAENTKFLVRASYL
 EIYNEDVHDLGADTKQRLELKEHPEKGVYVKGLSMHTVHNVAQCERVMETGWKNRAVGYTLMNKDSSRS
 HSIFTINIEIYAVDERGKDLRAGKLNLDLAGSERQSKTGATGERLKEATKINLSL SALGNVISALVDG
 RCKHIPYRDSKLRLLQDSLGGNTKLMVACLSPADNNYDETLSTLRYANRAKNIKKNPRINEDPKDALL
 REYQEEIKRLKAILAQQMGPNGLSALLSTQTPPGPVQSEKLLSPTTVQQDTEAEKQLIREPSSADLLEP
 SDTKSEADVAVADNVVLGTEPDVNLRVAAEVVSEAE TGVMWESEAQVAHVAQVSEEAQPQLLAMVSVRR
 ESVGVEVAVLTEEELQPVDQQQLARLQLEQQVVGGEQAKNKDLREKHKRRKRYADERKKQLVAALQNS
 DEDGGDWLLNVYDSIQEEVRAKSKLLEKMQRKLRAAEVEIKDLQSEFQLEKIDYLATIRRQERDSMLFQ
 QLLEQVQPLIRDCNYSNLEKIRRESSWDEDNGFWKIPDP IILKTSLPVVPTGTQNKPARKTSAVDSGEP
 HMHITTHHRG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001190978

ORF Size: 2130 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001190978.1](#), [NP_001177907.1](#)

RefSeq Size: 3098 bp

RefSeq ORF: 2133 bp

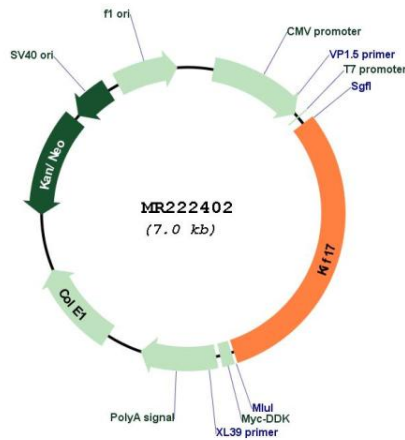
Locus ID: 16559

Cytogenetics: 4 D3

MW: 80.2 kDa

Gene Summary: Transports vesicles containing N-methyl-D-aspartate (NMDA) receptor 2B along microtubules. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222402