

Product datasheet for **MG222402**

Kif17 (NM_001190978) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif17 (NM_001190978) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Kif17
Synonyms:	5930435E01Rik; AW492270; Kif17b; mKIAA1405
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG222402 representing NM_001190978
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCGGAGTCAGTAAAGTGGTCTGTCGCTGCCAGCCATGAACAAGCGCGAGCGGAGCTGAGCT
 GCCAGTCGGTGGTGACGGTGGACAGTGCAGCGCGCCAATGCTTCATTAGAACCCGGGAGCGGCGGACGA
 ACCCCAAAGCAGTTCACCTTCGATGGCGCTACTACATAGAACAATCCAGAGCAGATCTACAACGAG
 ATCGCCTACCGCTGGTGGAGGGTGTACCGAAGGCTACAATGGGACATTTTTGCCTATGGCCAGACAG
 GCAGTGGGAAGTCTTCCACCATGCAGGGACTGCCAGATCCCCCTGCCAGAGGGGCATCATTCCAGAGC
 CTTGAGCAGCTGTTGAGAGCGTTCAGTGTGCAGAGAACAAGTCTTAGTGCGGGCTTCTATCTG
 GAGATCTACAACGAAGATGTCCATGACCTGCTGGGCGTGACACCAAGCAGAGGCTTGAGCTGAAGGAGC
 ATCCCAGAAAGGAGTGTATGTCAAGGGCTGTCCATGCACACGGTACACAACGTGGCCAGTGCAGGCG
 CGTCATGGAGACCGGCTGGAAGAACCCTGCGGTTGGCTACACCCTGATGAATAAGGACTCCTCCCGTTC
 CACTCCATCTTTACCATCAACATCGAGATCTATGCCGTGGATGAACGGGGTAAGGACCATCTTCGTGCAG
 GCAAGCTCAACCTGGTAGACCTGGCCGGCAGTGAGCGGCAATCCAAGACTGGGGCCACAGGGGAAAGGCT
 GAAGGAGGCCACCAAAATTAACCTGTCACTGTCCGGCGCTGGGCAACGTCACTCCGGCACTGGTGGATGGG
 CGCTGCAAGCACATTCCTTACCGGGACTCGAAGCTGACCCGACTGCTTCAGGACTCACTGGTGGCAACA
 CCAAGACTCTGATGGTGGCTTGCTGTCTCCCGCAGACAACAATTACGATGAGACCCTCAGTACGCTGCG
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 CGAGATACCAGGAAGAGATCAAGAGGCTAAAGGCTATCCTCGCCAGCAGATGGGCCCTGGCAACCTGT
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 TGTCAGCAGGACACGGAGGCTGAGAAGCAGTTGATCCGAGAGCCATCCTCGGCTGACCTGTGGAGCCC
 AGCGACACCAAGTCAGAAGCTGATGTGGCTGTGGCTGACAACGTCGTCCTCGGGACTGAGCCTGATGTAA
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 GGCCCATGTGGCCAGGTGTCTGAGGAGGCCAGCCTCAGCCCTTGTGGCCATGGTGGAGGAGGAGG
 GAAAGTGTGGGTGTAGAAGTGGCTGTGTTGACGGAGGAGGAGCTGCAGCCTGTGGATCAACAGCAGGTGC
 TGGCCCGCTTGCAGTTGCTGGAGCAGCAGGTGGTGGGGGCGAGCAGGCTAAAAACAAGGACCTGAGGGA
 GAAGCACAAGCGCGGAAGCGGTACGCAGATGAGCGCAAGAAGCAGCTGGTGGCCGACTGCAGAACTCG
 GATGAGGATGGCGGGACTGGGTGCTGCTCAACGTCTATGACTCTATCCAGGAGGAAGTGAAGGCAAGA
 GCAAGCTGCTGGAGAAGATGCAGAGGAAGCTCCGGGCAGCAGAGGTAGAAATCAAGGACCTGCAGTCAGA
 GTTCCAGCTGGAGAAGATTGATTACCTGGCAACCATCCGCCGGCAGGAGCGGGACTCCATGCTCTTCCAG
 CAACTCTGGAGCAGGTGCAGCCTCTCATCCGCAGAGACTGTAACCTATAGCAACCTGGAGAAGATCAGGC
 GAGAGTCGAGCTGGGATGAGGATAATGGCTTCTGGAAGATCCCAGATCCCATCATACTGAAAACAGCCT
 CCCAGTAGTTCCAACCTGGGACACAGAACAAGCCAGCTCGAAAAACCTCTGCAGTAGACAGTGGGGAGCCA
 CACATGCATATCACAACCTACCACCGGGC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222402 representing NM_001190978
 Red=Cloning site Green=Tags(s)

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MASESVKVVVRCRPMNKRERELSCQSVVTVDSARGQCFIQNPGADEPPKQFTFDGAYYIEHFTEQIYNE
IAYPLVEGVTEGYNGTIFAYGQTGSGKSFTMQGLPDPCCQIRGIIPRAFEHVFESVQCAENTKFLVRASYL
EIYNEDVHDLGADTKQRELEKEHPEKGVVYKGLSMHTVHNAQCERVMETGWKNRAVGYTLMNKSSRS
HSIFTINIEIYAVDERGKDHLRAGKLNLDLAGSERQSKTGATGERLKEATKINLSLALGNVISALVDG
RCKHIPYRDSKLTRLLQDSLGGNTKTLMVACLSPADNNYDETLSTLRYANRAKNIKKNPRINEDPKDALL
REYQEEIKRLKAILAQMGPGNLSALLSTQTPPGPVQSEKLLSPTTVQQDTEAEKQLIREPSSADLLEP
SDTKSEADVAVADNVVLGTEPDVNLRVAAEVVSEAEAGVWMESEAQVAHVAQVSEEAQPQLLAMVSVRR
ESVGVEVAVLTEELQPVDQQQLARLQLEQQVVGGEQAKNKDLREKHKRRKRYADERKKQLVAALQNS
DEDGGDWLLNVYDSIQEEVRAKSKLLEKMQRKLRAAEVEIKDLQSEFQLEKIDYLATIRRQERDMLFQ
QLLEQVQPLIRDCNYSNLEKIRRESSWDEDNGFWKIPDP IILKTSLPVVPTGTQNKPAKRTSAVDSGEP
MHMITTHHRG
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

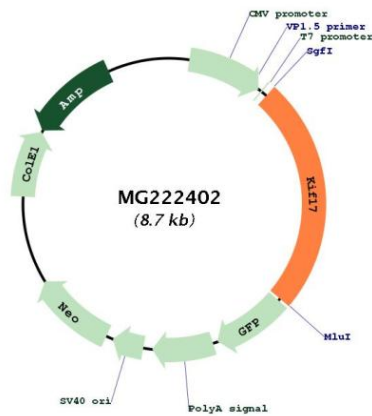
RefSeq ORF: 2133 bp

Locus ID: 16559

Cytogenetics: 4 D3

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

Product images:



Circular map for MG222402