

Product datasheet for **MC224808**

Kif21a (NM_001109040) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kif21a (NM_001109040) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kif21a
Synonyms: AI850764; mKIAA1708
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224808 representing NM_001109040
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGGGCGCTGCGGACGAGAGCTCGGTGCGCGTGGCTGTCAGAATAAGACCACAGCTTGCCAAAGAGA
 AGATCGAAGGTTGCCATATCTGCACGTGACTCACACCGGGAGAGCCTCAGGTCTTCTCGGAAGGATAA
 GGCTTTACTTTTGATTATGTGTTGACATTGACTCCCAGCAGGAGCAGATCTACACCCAGTGCATCGAA
 AAGCTCATTGAAGGCTGTTTTGAAGGCTACAATGCCACCGTGTTCCTATGGACAAACCGAGCTGGGA
 AAACCTACACGATGGGAACCGGATTTGACGTGAACATCATGGAGGAAGAGCAGGGCATCATCTCTCGTGC
 TGTAGACACCTGTTCAAGAGTATTGATGAGAAAAAGACCTCAGCGATTAACCGGGCTGCCCCCTCT
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 GGGATATTGATGCAAAAAATAAAAAATCAAAATAAAGAATTCATGAAGATTCAACTGGAGGAATTTATC
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 TCGCGCACACGCGCCAGCACCCAGATGAACGTACAGAGCTCTCGTTCACACGCCATCTTTACCATCAG
 TGTGTCAAACAGAGTGTGTCCCAACAGATGCTGAGAACGCAACTGATAATAAGCTGATCTCCGAATC
 GTCGCCAATGAATGAGTTTGAGACGCTGACGGCGAAGTTTCACTTTGTTGATCTGGCGGGATCGGAAAGA
 CTGAAGAGAACCGGAGCTACAGGCGAGAGAGCAAAAGAGGGCATTTCATCAACTGCGGGCTTTTGCTC
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 GCAAAATTATTAGAAAGTGAAGCAGTGAACGAGAACCTTCGGAAGAACTTGACCAGAGCCACGGCGAGAT



CTCCTTACTTCAGTGCCTCCTCAGCTTTCTCGCCTACTATACTGTCTTCAGACAAGGAGACTATCGAAAT
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AGCTCTGATGAATCAGATTCCGAATCTGATGAAAAAGCTAACTATCAAGCCGACTTAGCAAAATACAC
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ATCAATAAGGGTCTGCAGGCTGCCAGAAAGAGGCTCAAATTAAGTCCCTCGAGGGTCGACTCAAACAGA
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TGCAGATAGCAGTGAAGTAGCCTCAGACACTAGTGCAGGAGATGCCTCCTGTCTGGCCCTTGGCACCT
GTTGCAGAAGGGCAGGAGATTGGAATGAACACAGAGACAAGTGGTACTTCTGCTAGGACAAAGAGCTTC
TTGCCCATCTGGCTTACCTTCTAAGATAGGCAGCATTTCCAGACAGTCATCTCTATCAGAAAAAAGT
GCCAGAGCCTTCCCTGTAAACAAGGAGAAAGGCATATGAGAAGGAGATAAACCAAGGGCAAGGAACAT
AAACACTCAGATTCGGGGCGTTCGAGACTAGTCTCTCACCTCCTTCTCCCAACCAAGCCGGCCCGTA
ACGAACTGAATGTGTTAATCGCCTTACTGTGCCTCAGGGAACCCCGTCAGTTTACAGCAGGATAAGTCTGA
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AGAGCCTCTCCTTTCAGTGCCTCACATAGCTGAAGGGCACACCAAGGCTGTGCTCTGTGTGGATTCTA
CGGATGATCTTCTTCCACCGGATCAAAAGATCGCACTTGTAAGTATGGAATCTCGTACTGGACAGGA
AATTATGTCCCTGGGGTTCACCCTAACACAGTGGTGTCTGTAAAATACTGTAATTATACCACTGTGTC
TTCACCGTGTGCATCTTATTAAGGTGTGGATATCAGAGAGTCAAGAAAATGCATTGCAACATTA
CATCTTACAGTCAAGTTACCCTTGGAGAAGCGTGTCTGCCAGCACAGCCGGACAGTATGCTTCTCCTC
CGGGGAGAGCCAGATCAATCAAATTGCACTAAACCAACTGGCACTTTCCTCTACGCGCCCTCTGAAAT
GCCGTGCAATGTGGACCTTAAAAGTTTTCAGTCTACAGGAAAGCTAACCGGACACCTGGGTCTGTGTA
TGTGCCTTACGGTAGACCAGATCTCAATGGACAGGACCTCATCATCACTGGCTCAAAGACCACTACAT
CAAAATGTTTCGATGTGACTGAAGGGCTCTTGGAACTGTAAGTCCCACCCACAATTCGAGCCTCCTCAT
TATGATGGGATAGAAGCACTGGCCATTCAGGCGATAACCTATTCAGTGGTCCAGAGATAATGGAATCA
AGAAATGGGACTTAGCTCAGAAAGTCTTCTTCCAGCAAGTCCCAATGCACACAAAGACTGGGTGTGTGC
CCTGGGCTGGTCCAGGCCATCCGTTTTGCTGAGTGGCTGCAGAGGGCATTCTGAACTCTGGAAT
GTGGACACTTTTGTGCCGTTGGAGAGATGAGAGGTGATGACAGTCCCATCAATGCCATTTGTGTTAACT
CCACCATGTCTTACTGCTGCTGATGATCGAACCCTGAGAATCTGGAAGGCCCAACTTGCAAGATGG
TCAACTCTGACACCGCGATCTGGGGAGGATATTGCCAGTAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001109040

Insert Size:

5019 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:

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_001109040.2](#), [NP_001102510.1](#)**RefSeq Size:**

6443 bp

RefSeq ORF:

5019 bp

Locus ID:

16564

UniProt ID:[Q9QXL2](#)**Cytogenetics:**

15 45.86 cM

Gene Summary:

Microtubule-binding motor protein probably involved in neuronal axonal transport. In vitro, has a plus-end directed motor activity.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).