

Product datasheet for **MC224836**

Kif1a (NM_008440) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kif1a (NM_008440) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kif1a
Synonyms: ATSV; C630002N23Rik; Gm1626; Kns1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224836 representing NM_008440
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGGGGCCTCTGTGAAGGTGGCGGTGCGTGTCCGCCCTTCAACTCCCGGAAATGAGCCGAGACT
CCAAGTGCATCATTAGATGTCTGGAAGCACCACCATTGTCACCCCAACAGCCCAAGGAGACACC
CAAGAGCTTCAGCTTTGATTACTCTACTGGTCACATACCTCGCCGGAGGACATCAACTATGCCTCTCAG
AAGCAGGTCTACAGGGACATTGGGGAAGAGATGCTACAGCATGCCTTTGAGGGCTACAATGTGTGCATCT
TTGCCTATGGGCAGACGGGGCCGGCAAGTCTACACCATGATGGGGAACAGGAGAAGGACCAGCAAGG
CATCATTCCACAGCTCTGCGAAGACCTCTTCTCTCGAATCAACGACACCACCAACGACAACATGTCTTAC
TCTGTGGAGGTACAGTACATGGAGATTTACTGTGAGCGAGTCCGTGACCTCCTGAACCCCAAGAACAAG
GCAACCTGCGTGTGAGGGAGCACCTCTGCTGGGGCCTTATGTGGAGGACCTCTCCAAGCTGGCTGTAAC
CTCCTACAATGACATCCAGGACCTCATGGACTCAGGGAACAAGGCCAGGACTGTGGCGGCCACAACATG
AATGAGACCAGCAGCCGTTCTCACGCAGTCTTCAACATCATCTTTACCCAGAAGCGCCATGATGCAGAGA
CCAACATCACCACAGAGAAAGTGAAGCAAAATCAGCCTGGTGGACCTGGCAGGCAGTGAACGACCCGACTC
CACAGGAGCCAAGGGCAGCGACTCAAGGAGGGGCAACATCAACAAGTCTTTGACCACCTGGGAAAG
GTCATCTCTGCTCTGGCTGAAATGGACTCTGGACCAACAAGAACAAGAAAAAGAAGACAGATTTCA
TCCCTTACCGAGACTCCGTATTGACATGGCTTCTCCGGGAAAACCTCGGTGGCAACTCAAGGACAGCCAT
GGTGGCAGCCCTGAGCCCTGCGGACATCAACTATGATGAGACCCTCAGCACACTGAGATATGCAGATCGG
GCCAAACAATCCGCTGCAATGCCATCATCAATGAAGACCCCAACAACAAGCTGATTAGAGAAGTGAAGG
ATGAGGTGACCAGGCTGAGAGACCTGCTGTATGCCAAGGTCTTGGCGATATCACTGACATGACCAATGC
CCTGGTGGCATGAGCCCTCATCTTCACTCTCAGCCCTGTCCAGCCGTGCAGCCTCTGTGTCCAGTCTC
CATGAGCGCATCTTGTGCTCCAGGCAGCGAGGAGGCTATTGAAAGGCTGAAGGAAACAGAGAAGATCA
TTGCTGAACTCAATGAGACCTGGGAGGAGAAGCTGCGGGCGACAGAAGCCATCCGGATGGAGAGGGAAGC
CTTGCTGGCTGAGATGGGTGTGGCCATGAGGGAAGATGGTGGTACCTTGGGTGTGTTTTCTCCAAAAAG
ACTCCTCATCTTGTCAACCTGAATGAGGACCTTTGATGTCCGAATGCCTCTTTACTACATCAAAGATG



GCGTCACCAGAGTGGGCAGAGAAGATGCAGAGAGGCGGCAAGACATTGTCTGAGTGGACACTTCATCAA
 AGAGGAGCACTGCATCTCCGGAGTGACTCCCAGGAGGCGGAGAAGCTGTGGTGACCCTGGAGCCCTGT
 GAAGGAGCAGACACATATGTCAACGGCAAGAAAGTCACTGAGCCCAGCATCTACGGTCAGGAAACCGCA
 TCATCATGGGAAAAAGCCACGTGTTCCGGTTTAAACCACCTGAGCAGGCCCGTCAGGAGCGTGAGCGAAC
 ACCTTGTGCAGAGACACCTGCTGAGCCAGTGGACTGGCCTTTGCCAGCGGGAAGTCTGGAGAAGCAA
 GGCATTGACATGAAGCAGGAGATGGAGCAGAGGCTCCAGGAGTTGGAGGACCAGTACCGGAGGGAGCGGG
 AGGAGGCCACATACCTTCTGGAGCAGCAGAGGCTGGACTATGAGAGTAAGCTGGAGGCCCTACAGAAACA
 GATGGACTCCAGTACTACCCAGAGGTGAACGAGGAGGAAGAAGAGCCAGAGGATGAAGTCCAATGGACA
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 CCAGTTCCAGTTTGTCTCCTCACGGACACCCTGTACTCCCCTGCGCCAGACCTACTGCCCCAGAA
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 ATGGGGCCACCCACTACTGGACTGGAGAACTCAGGCAACGCCTGGACCTGATGCGGGAATGTACGA
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 TGATGAAGTTAACAACAACACCTGTTGAGTGTGCTCCTGAAGGCTCATGGATAGCCCAGAGAAGGCT
 GCCCTGGATGGGCTCTGGACACAGCCCTGGACCACCTCCGTCTAGGCAGTACCTTACCTTCCGGGTGA
 CAGTCTGCAGGCGTCCAGTATCTGCTGAATACGCTGACATCTTCCAGTTCAACTTATCCACCC
 CCACAGTGAAGGCTTCTCCACTGAACCCCTGAAGAACACTGGCAGAGGACCCCTTGGCTTCTACCAT
 GTCCAAAAATATTGCGGTAGAGGTGACCAAGTCTTTCATCGAATACATCAAGAGCCAGCCCATTTGTTCG
 AGGTCTTTGGGCACTACCAGCAGACCCGTTCCACCTCTTTCGAAGGATGCTCCTCAGCCCCCTGAGACC
 CTCACGTGCGCACTTCCCAGGGTTCATGCCGTTATCCAAGCCAGTCCCGCCACTAAGCTCAGCAGATG
 ACACGGCCTTCCCAGGTCCCTGCCATTGCAAGTATGACCTGCTGGTCTACTTCGAGATCTGCGAGCTGG
 AAGCCAATGGCGATTACATCCCTGCTGTGGTGGACCACCGTGGTGGCATGCCGTGCATGGGGACTTCTCT
 TCTCCATCAGGGCATCCAGAGACGGATAACTGTGACACTGTTACATGAGACAGGAAGCCACATCCGCTGG
 AAGGAAGTGCAGGAGCTAGTTGTGGTGCATCCGAAACACCCAGAACTGACGAAGCTCTGATTGACC
 CCAACATCTTGTCCCTCAACATCTCTCATCAGGATACGTCATCCAGCCAGGATGACCGGTTTCCCTT
 CGGAAATGACACTAGGACCTTCTACCAGTTTGAAGCAGCCTGGGACAGTTCCATGCATAACTCTCTCCTG
 CTGAATCGTGTACCCCTTACCAGGAGAAAATCTACATGACGCTCTCTGCCTACATTGAGATGGAGAACT
 GTACCCAGCCAGCTGTATCACCAAGGACTTCTGCATGGTTTTCTACTCTCGGGACGCCAAGCTACCCGC
 CTCACGCTCCATTCGCAACCTGTTTGGCAGTGGCAGCCTGCGGGCCACAGAAGGCCAACCGTGTGACTGGT
 GTGATGAGCTCAGCCTTGGCCAGTGGCCGACGAGGACGCCAGGATGCAGCGTCCGGCCGGCGGG
 TGCTGGACACATCAGTAGCCTATGTCCGGGTGAGGAGAACTGGCTGGCTGGAGCCCCGAAGTACAG
 CCTGATCTAGATCACAGTGGGAACTGGAGAACTGAGCCTCTTACAGGAGTGGAAAAGACCAGGCAC
 TACTGCTCCTTCCGGAGAAGCTGGAGACAGCCAGCCCTGGCCCTGAGGTGCTGTCCCAGCCTCCA
 GTGAGGACTCTGAGTCCCGTAGTTCTTCCAGGTGCCTTCTCCCATTTGTCAGCCGAGGGTACGCCGTACC
 TCTGGAGGCTCCCAACGAGAGGCAAGGAGGAGTGGCTGTCAAGTGTCTACGACTCCTCATGCACACATTC
 AACAGGGAATACACCCACAGCCAGTCTGTATCAGCGCCAGCAGAGCAAGCTCTCTGAGATGTCTGTCA
 CCCTGATGCGGGACCCATCCATGTCCCCTCTGGGTGCTGTACTACTCCCTCCTCCACTTGGCCCTC
 TCTGATCGAAGGACGATACGGTGCCACTGACGTGAGGACCCCGCCAGCCCTGCTCCCGCCCGCCAGCCCA
 GAGCCCGAGCTCCTGCCAGAACTGACTCTAAGAAGACTCCCTCCCTGTTCCGGCAACAGAGACAGAGA
 AGGAGCCCCAGGACTGCTGGTCCCTGACATCCAAGAGATCCGAGTCCAGCCAATCGTCTCCAAGAAGGG
 ATACCTGCATTTCTGGAGCCACACACGGCTGGCTGGGCAAGCGCTTTGTGGTGGTGGAGCGTCCCTAC
 GCCTACATGTACAACAGTGACAAGGACAGGTTGGAGAGATTTGTGCTCAACCTCTCCACTGCGCAGGTGG
 AGTACAGCGAGGACCAGCAGGCCATGCTCAAGACACCAACATTCGCTGTGTGCACGGAGCACCGAGG
 CATCTGCTGCAGGCCAACAGTGACAAGGACATGCACGACTGGCTGTATGCCTTCAACCCGCTCCTGGCT
 GGGACCATCCGGTCCAAGCTCTCTCAAGGAGATCTGCGCAGATGCGGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_008440

Insert Size: 5094 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_008440.4](#), [NP_032466.2](#)

RefSeq Size: 8267 bp

RefSeq ORF: 5094 bp

Locus ID: 16560

Cytogenetics: 1 D