

Product datasheet for MC223047

Kif19a (NM_001102615) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif19a (NM_001102615) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif19a
Synonyms:	Kif19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223047 representing NM_001102615 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGACAGCGGTGACTCAAAGGACCAGCAACTCATGGTGGCACTTAGGGTCCGGCCATCAGCGTGG
CTGAGCTGGAGGAGGGAGCTACCCTCATCGCTCACAAGATGGACGAGCAGATGGTGGTTCTCATGGACCC
AATGGAGGACCCTGACGACATTCTGCGGGCACACCGGTCCCGGGAGAAGTCATACCTCTTTGACGTGGCC
TTTGACTTCACTGCCACCAGGAGATGGTATATCAGGCCACCACCAAGAGCCTCATCGAGGGCGTCACTCT
CAGGGTACAATGCCACTGTGTTTGCCTATGGCCCTACAGGCTGTGGGAAGACCTACACCATGCTGGGCAC
TGACCACGAGCCAGGCATCTATGTTCCGACCCTCAATGACCTGTTCCGAGCCATCGAGGAGACCAGCAAT
GACATGGAATATGAGGTGTCATGTCCTACCTGGAGATCTACAATGAGATGATCCGGGACCTACTGAACC
CGGCCCTGGGGTACCTGGAGCTGAGGGAAGACTCCAAAGGGGTGATCCAGGTGGCCGGGATCACCGAAGT
GTCTACCATCAATGCGAAGGAGATCATGCAGCTGCTGATGAAGGGGAACCGGCAGAGGACGCAAGAGCCC
ACAGCTGCCAACCAGACATCCTCCCGCTCCCACGCCGTGCTCCAGGTGGCCGTGCGTCAGCGCAGCCGGG
TCAAGAACATCCTCCAGGAGGTGCGGCAGGGCCGCTGTTATGATTGACCTAGCTGGTCCGAGCGTGC
CTCTCAGACACAGAACCAGGGGAGCGCATGAAGGAAGGAGCCCACATCAACCGCTCTCTGCTGGCCCTG
GGCAACTGCATCAATGCGCTGAGTGACAAGGGCAGTAATAAATACATCAACTATCGGGACAGCAAACCTCA
CCCGGCTCCTGAAGGATCACTAGGCGGGAACAGCCGCACTGTGATGATTGCCACATCAGTCCAGCGAG
CACTGCCTTTGAAGAGTCCCGGAACACCCTGACCTACGCCGCGCCGAGCCAAGAATATTAGGACTCGGGT
AAGCAGAACTGCTCAACGTCTCCTACCACATCGCTCAGTACACCAGCATCATCGCTGATCTGAGAGGCG
AGATCCAGAGACTCAAGTGCAAGATCGACCAGCAGGCTGGGCGGGGTGAGGCCCGGGGCAAACCTGGACAG
GGGTGACATCCGCCACATCCAAGCTGAGGTTCACTACACAGCGGGCAGGAAGGGCCCGCGGAGATGGGA
CAGCTTCGGGAGCAACTCATCAGCGCTCCACGAGCAGATGGATGTGCGCCGGCGCTGCTGGAGCTGG
AGAACCAGGCCATGGAAGTCCAGATTGACACCTCCCGTCACTCCTCACCATCGCCGGCTGGGAGCACGA
GAAGTCACGAAGGCTCTCAAGTGGCGGAGGAGCGAAGGAAGGAGTCTACACCAAAGAGGACAGTGG



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AAGGACTCGGACACAGGCGATGAGCCAGATAACCTGGAGCCACCTGAAGTGGCATCAGCCCGTGAAAACA
 TCGCTGCCTGGTGGCGAACAGAAAGTTGCGCAAAGAGAAGCTGGCGCTGGAGCAGCGCTGCCGAGA
 GCTGCGTGCCTGGCCGGCGCTGGAAGAGACGCTGCCGCGCCGATCGGCTCGGAGGAGCAGCGCGAG
 GTGCTCAGCCTGCTGTGCCGCTGCACGAGCTGGAGGTGGAAAACACCGAGATGCAGTCGCACGCTCTGC
 TCCGCGACAGCGCTCTGCCACCGCCGAGGCTGTGCCCGCTGGAGCAGCACCGCAGCCTCTGCGA
 TGAGATCATCCAGGGCCAGCGGCAGATCATCGACGACTACAATCTGGAGGTTCCCGGCACCTGGAGGAA
 CCTCCAGAGCCCTGCAGGACAGCTCCTTGCCCAAATCACTCCAGCAGGGGCCACACTGACCCAGACTC
 TGACCTGGAGAGTGTGAAGACGCTAAGTTCTGAGGCCAGCGCCCAAAAACAACACCCTACCCCACTT
 GGCACAGACAGTGTCTACCATGTGTTCAAGGCCAGTCCCAGGGCTGGCAGGTGAAGAGCTCTCTG
 TGCCTACTCCGCCCCCATCCAGGTGGCAGCCTGGTGACCCAGGAGGCCCAACACAGGACAGCCTGGG
 CAGCCAGATCAACTTCCCGGAGAGCAGCGAGAACCTGTGAGAGATCCTTCTGTCCATAAAGAGAGG
 AAAGAGATCTGACGCGACCAAGTGTATCTCGGTGAAGGCCCCAGCGCGCTCCCGGCCCTGGGAA
 CGGAAGGGCGCCACCTGTGGCACCTGCCACAGAGCGCAGCAGCCTATCCCTGCACTCGTTGAGCGAGGC
 TGATGATGCTCGCCACCGGGCAACTGGCCTGCAAGCGGCCCCAGCCGACACTGCAGCATGCCATC
 AGCGAGGACAATCTATCTAGCAGCACAGGCGAGGCCCTCCAGGGCGGTAGGACCTCGAGGTGATGGCA
 CTGGGTCTGGTGCCTGGCCAGAAAGAAATGCCTCAGCAAAAAAGGGAGGAGTCACTGGAAGCGAAGAG
 GAGGAAGCGGAGGTCTCGGTCTTTGAGGTACAGGACAAGGGCTGTCCCGTCCCAAGACACACCTACTG
 GGACCTCGTCCCTCCGAGGGCTTTGAGATCGCCGGATGCCGGCTGTGGCGGCCATCTCTGGTGTCA
 GGCATCTGGGAAAAGTCTCTCTGCTCTGGCCAAGGTCAAATTTCTCCAAACCAGAACACAGGATCTGG
 AAACCTTCACCCCTTCTGTTGCCCAACCAAGCCGGTGTTCCTGAGAGCTACACGTGGGCCACGC
 CTACCCCATGGCTCAAGCACCTTTGGCAAAGATGGACGCTCCAGCATAACTGA

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001102615
- Insert Size:** 2994 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_001102615.1, NP_001096085.1
- RefSeq Size:** 3433 bp
- RefSeq ORF:** 2994 bp

Locus ID: 286942

UniProt ID: [Q99PT9](#)

Cytogenetics: 11 E2

Gene Summary: Plus end-directed microtubule-dependent motor protein that regulates the length of motile cilia by mediating depolymerization of microtubules at ciliary tips.[UniProtKB/Swiss-Prot Function]