

Product datasheet for MC202661

Kif4 (NM_008446) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kif4 (NM_008446) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kif4
Synonyms: AI323435; D330050K22Rik; Kns4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC050946 sequence for NM_008446
 GGG AAGGTCGGTGAGAGGGACGTTTAGTTGGTGAGTTACCCGGGCACCGGTTAGCTCCGATTCTGCCG
 TTTGGAGCACTTTAGGGCTTGGGGTCGCGGTTGCTGTCTGCTGGAGTTTCCTTATTGCTGACGCCGCT
 TCGCCCTGCAGTATTGGGACTGACAAACCTTTAGGCGGTGGCCAAGAGTGACAGGACACCGTGATCCCGC
 TGGGAGGGAGAGTGCATCAGCGAGTTCCGAGCTCTCCACCGCCTGAGAAGGGCCTTTCCACTCCTGCCA
 GCCTCCGGGGGCTCCTGGGAGAGCCGGCTTCAACCAGCACGGACACCTGCTGAGCTGGTACCATGAAAGA
 AGAGGTGAAGGGGATTCCCGTAAGAGTGGCACTGCGTTGTCGCCCCCTCGTCTCGAAAGAGATTAAGGAG
 GGCTGCCAGACGTGCCTTTCCTTTGTGCCCGGAGAGCCTCAGGTGGTGGTGGTAATGATAAATCATTTA
 CCTACGATTTTGTGTTTGACCCCTACTGAACAGGAAGAGGTCTTTAATACAGCAGTAGCTCCACTCAT
 AAAAGCGTGTTAAAGGATAACAATGCAACTGTCTGGCCTATGGGCAGACTGGATCTGGAAAAACGTAT
 TCAATGGGAGGTGCATACACTGCAGAACAAGAATGACTCAGCCATTGGGGTTATCCAGGGTAATAC
 AACTGCTCTTCAAAGAAATTAATAAAAAGAGTGACTTCGAATTTACTCTGAAAGTGTCTTACTTGGAGAT
 CTATAATGAAGAAATTTGGACCTTCTATGTTTCATCTCGTGAGAAAGCTACTCAAATAAATATCCGGGAG
 GACCCTAAGGAAGGCATAAAGATTGTGGGACTGACAGAGAAGACTGTGCTGGTGGCTCGGACACCGTTT
 CCTGTCTAGAGCAGGGTAACAACCCAGGACTGTGGCCTCCACAGCTATGAACTCCCAGTCATCTCGATC
 TCATGCCATCTTTACAATCTCCATTGAGCAAAGGAAGAAGAAATGACAAAAATAGCAGCTTTCGTTCCAAG
 CTGCATCTTGTAGACCTCGCTGGATCAGAAAGACAGAAGAAAACCAAGGCTGAGGGAGATCGACTGAGAG
 AGGGTATTAATATTAATCGAGGCCTTCTGTGCTTGGGGAATGTAATCAGTGCTCTTGGAGATGATAAAAA
 GGGTAACCTTTGTGCCCTACAGAGATTCCAAGCTGACTCGACTGCTTCAAGATTCTAGGAGGCAATAGC
 CACACTTTATGATTGCCTGTGTGAGTCCTGCTGATTCCAATCTAGAAGAAACATTAATAACCCCTTCGCT
 ATGCTGACAGAGCAAGAAAAATCAAGAACAACCTATTATTAATATTGATCCCCAGGCAGCTGAACTAAA
 TCATCTTAAACAACAGGTCCAACAGCTGCAGATCTTGCTGCTACAAGCCCATGGAGGCACCTTGCCTGGA
 GATATAAATGTGGAACCATCAGAAAAATCTTCAGTCCCTGATGGAGAAGAATCAGTCTCTGGTGGAAAGAGA
 ATGAAAAATTAAGTCGTGGTCTGAGTGAGGCAGCTGGTCAAACAGCCAGATGCTGGAGAGGATCATTCT
 GACAGAGCAAGCAAATGAGAAAAATGAATGCCAAGCTAGAAGAATCAGGCGGCATGCGGCCTGTAAAGTG
 GATCTTCAAAGCTCGTGGAGACATTGGAAGACCAGGAGTTAAAAGAAAACATAGAGATAATTTGCAACC
 TACAACAAGTGATTGCCAGCTATCTGATGAAGCTGCTGCTTGCATGACTGCAACCATTGATACTGCAGG



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GGAAGCAGACTCAAGTGCAAAGCAGCCAGATACCAGCAGGTCTTCTGATGTTTTCAGCACTCAGCAT
 GCCCTACGCCAAGCTCAGATGTCCAAGGAGCTGATTGAGTTGAATAAAGCACTTGCACTGAAGGAAGCCC
 TAGCTAAGAAGATGACTCAGAATGACAACCACTCCAGCCATTCCAGTACCAGGATAATATTAA
 AAATCTAGAATCAGAAGTCTCAGTCTACAGAGGGAAAAAGAAGAACTGGTTCTTGAAGTTCAAACAGCA
 AAGAAGGATGCCAACCAAGCCAAGTTGAGTGAGCGCCGTCGTAACGCTTTCAGGAACTGGAGGGTCAA
 TAGCTGATTTGAAAAAGAACTGCAAGAACAGTCCAACTTCTGAAGCTGAAGGAATCCACAGAGCATA
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 GAGGATGCTGAGAAGTTTAGGCAATGGAAGCAGCAAAAAAGACAAAAGAAGTAATCCAGCTAAAAAGACGGG
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 GAAAAACGCCAAGAGACTCAGAGCCGTGGGATGGAAGCACTGCAGCTAGAATGAAGAATTGGCTTGAA
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 GATCCTGGCTCAGGATGTGGCACAACCTCAAAGAGAAAAGAGAATCTGGAGAGAACCCACCTCTAAACTC
 CGAAGGCCACATTTTCTACGATGAAATACATGGTCAAGATTCAGGAGCAGAGGATTCTATTGCCAAGC
 AGATTGAAAGCCTAGAGACCGAATTGGAGCTCAGGAGTGCAGATTGCGGACCTACAGCAAAAGCTGCT
 GGATGCTGAAAGTGAAGACCGGCGAAACAGCGCTGGGAGAGTATCGCCACAATTCGAAGCCAATGT
 GCCATAAAGTATTTAGTGGGAGAGCTCGTCTCCTCCAAAATACTGGTGAGCAAACTAGAAAGCAGCTGA
 ATCAGAGCAAGGCCAGCTGTATTGACGTGCAGAAGATGCTGTTTGAGGAGCAAAATCATTTTGCTAAGAT
 AGAGACAGAGTTAAAAGAAGAGCTGGTCAAAGTGGAGCAACAGCACCAGAAAAGGTGTTGTACCTTCTC
 AGCCAGCTGCAGCAATCCAGATGACAGAGAAGCAGCTGGAGGAGTCAGTTAGTAAAAGGAACAGCAGC
 TGCTGAGCACACTAAAATGTCAGGAGGAAGAGCTTAGGAAGATGCAAGAAGTGTGTGAGCAAAATCAGCA
 GCTTCTCCAAGAAAACAGTGCCATCAAGCAGAACTGACCCTACTCCAAGTAGCCAGCAAAACAGAAAACCC
 CATCTACAAGAAATATCTTCCAGTCTCCAGACTCTTCTTTGAATATATTTCCACCTAAGCCCAAACTT
 GCCGCATTAAGGAAAAATGCTTAGAGCAAAAGCTTCGCCGTCGAGGGGCTGCAGTATTATTAGAGCCTTC
 TGTGGCCGAGCAGACAATGAGGACAGTACGACCATGCTGATGAGGAGTGGATCCCAACAAAACCTAGTC
 AAGGTGTCCAAGAAGAGCATCCAAGGTTTCTGCAAAGGTTGGTGCAGGAAACAAGCAATGTGGATGCA
 GAAAGCAAAAGTCAGACTGTAATGTGCTCTGCAGCTGTGACCCCAAAAGTGTGCGCAACCGCCATCAGAA
 CCAGGACAATTCAGATGCTATTGAGCTAAACCAAGATTCTGAAAACCTTTCAAACCTGGAAGATCCACAA
 GAGGTGACCTCAGGCTTAAGCTTCTTCCACCCTATCTGTGCAACTCCCAGTAGCAAGATCCTAAAAGAAA
 TGTGTGATGCAGATCAGGTGCAGCTGAAGCAGCCGTTTGTCTTCTTCTGACCACCCAGAAGTAA
 GTCTATAGCGTCAGAATACAAGAAAATAAGGCCATAGGGAAGAAGAAGAAGCGAGCTCTGGCCAGCAAT
 ACCAGCTTCTTCTGGCTGCTCTCCTATCCAAGAAGAGTCCCAGTGAAGTTAGGCCCATTGTCTCTTCT
 GTCTGCCGTGGACACAGTCCGAGGGTGAGGCACAGAGGGGAAGAGCACTAATGACTTCAGTAGTTTTAGG
 TCTTGCTATTGAGAAAATGAGAAAAGTGTCCCTGAAAAGGAGGAGGACCTTGGCTGAGTGTGGCCTTTAC
 TATCTAAGCCTTCAAACAACCTTTGCTTCTCTAGAAGGCAATTGAGCCTTCTACTGGAGAGAGAACCAA
 CTGACCTGCCTGATAAGTCTAGAGGAGCCAGTCCCAGTACAGTCTAGCTCACTTTTGTGAGCAGTTGA
 ATTGTCTTTCATGGAACAAAGCCGACATGTTCTTCTTTCATGATCACATCAGCTTAATGGAAGAGTCT
 CGAGTAGGATGGAGACCTGGCTCGACTCCCTCACCACACCTCATGAATTGGGCAGGGAGCTTTCCTGCTC
 CATTCCAACGCCAGACTTGACAAAACCTTCAACTGTCTGTGCACAGTGTACTGAAGTGAATGTCACATT
 TTAATAATGTTAAGAAAATAAATAAACCTTAGTTCATCTACTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_008446

Insert Size:

3696 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:	<ol style="list-style-type: none">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:	<u>BC050946</u> , <u>AAH50946</u>
RefSeq Size:	4656 bp
RefSeq ORF:	3696 bp
Locus ID:	16571
UniProt ID:	<u>P33174</u>
Cytogenetics:	X 43.72 cM
Gene Summary:	Required for mitotic chromosomal positioning and bipolar spindle stabilization. [UniProtKB/Swiss-Prot Function]