

Product datasheet for **MC222789**

Kif23 (NM_024245) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif23 (NM_024245) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kif23
Synonyms:	3110001D19Rik; C87313; CHO1; KnsI5; MKLP-1; MKLP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222789 representing NM_024245
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTCAGCGAAGGCTAAGACGGTCAGAAAACCTGTAATAAAAAAAGGATCTCAGACAAACCTTAAAG
 ATCCAGTGGGGGTGACTGTAGGGTTCGCCCCCTGAGCTTTCCTGACCAAGAATGCTGTGTGGAAGTGAT
 CAATAGTACAACCCTGCAGCTCCACACTCTGAGGGCTATCGACTCAACAGAAATGGGGACTATAAGGAG
 ACTCAGTACTCATTCAAGCGGGTATTTGGCACTCACACCACCCAGAAGGAACTTTTTGATGTTGTAGCTA
 ATCCCTTGGTAGATGACCTCATTGCAAGAAATGGTCTTTTATTTACATATGGCGTGACGGGAAGTGG
 AAAAACCTACACAATGACAGGGTCTCCAGGGTCTGGAGGCTGCTTCTCGTTGTTTGAATATGATCTTT
 AACAGCATAGGGTCATTTCAAGCAAACGTTATGTGTTTAAAGTCTAATGATAGGAACAGTATGGAATAC
 AGTGTGAAGTCGATGCCTTGTAGAACGGCAGAAAAGAGAAGCCTTGCCATTCCAAAGACCCCTCTAG
 CAAGCGACAAGCAGATCCAGAGTTGTCAGATATGATAAATGTACAAGAATTCTGCAAAGCAGAAGAAGT
 GATGAAGACAGTGTCTATGGAGTATTTGTCTCTTACATTGAAATCTATAATAATTACATATATGATCTAT
 TGAAGAAGTGCAGTTTATGCCATAAAGCCCAAACTCCCAATCTAAAACGCTCCGAGAAGATAAGAA
 CCACAATATGATGTGGCAGGATGTACAGAAGTAGAAGTGAATCTACGGAGGAGGCTTTTGGAGTTTTC
 TGGAGAGGGCAGAAAAAGAGACGCATTGCTAACACCCATTTGAATAGAGAGTCCAGTTCGTTACATAGCG
 TGTTACAGCATTAACTTGTCCAGGCTCCCTGGATGCTGATGGAGACAATGTCTTACAGGAAAAAGAGCA
 AATTACTATAAGCCAGCTGTCTCTGGTAGATCTTGGTGGAGCGAAAAGAACCAACCGTACTAAAGCAGAA
 GGGAACAGACTACGTGAGGCCGGAACATTAATCAGTCATTGATGACACTAAGAACATGCATGGAGGTCC
 TGAGAGAGAACCAGAGTATGGCACTAACAGATGGTTCATATCGAGATTCAAAGCTAACCCACTATT
 CAAGAACTACTTCGATGGGGAGGGAAAGTTCCGATGATCGTGTGTGAATCCAAAGGCTGAAGACTAT
 GAAGAAAGCTTGAAGTCATGAGATTTGCTGAAGTAAACCAAGAAGTGGAAAGTGGCAAGACCAGTGGACA
 AGGTGATATGTGGCCTGACACCCGGGAGGCGGTACAGGAACCTGCCTCGGGGAGGCCCGTTGGAGATGA
 ACCTTTGGTGCCTGAAGTATTCTACAGAGCTTCCACCCTGCCCCATGCAAGCTTTTGGATATCAAT
 GATGAGGAGACCCTTCAAAGCTGGCTGACACTTTGGAGAAACGACATCACCTGCGACAATAATGACCG
 AGGACCTTAACAAAAATGTCTAGCTTTCAAGGCCTTATTAAGAATTTGACAATCTCTATCAAATAA
 AGAAAACCTACGTTACGAAAAACTAAATGAAAGAGAAAAAGTATCTCGGACAGAAATTGGAAATAGAG
 CGACTGGAGAAGAAAAACAAAATTTGGAGTACAAGATTGAGATTCTGGAGAAAAACACTACGATCTATG
 AGGAAGATAAGCCCAATCTGCAGCAGGAGCTTGAGAGCCAGAATCAGAAGCTTCAGCGGCAGTTTCTGA
 CAAGCGCAGATTAGAAGCCAGGTTGCAAGGCATGGTAACAGAAACGTCGATGAAGTGGCAGAAGGAATGT
 GAGCGTCGGGTGGCAGCCACCCAGCTAGAGATGCAGAATAAACTCTGGGTCAAAGATGAAAAGCTCAAAC
 AGCTGAAGGCCATTGTGACTGAACCCAAACCTGAGAAGCCAGAGAGACCCCTCCCGGGAGCGGGACCCGGGA
 GAAAATCATTCCGAGATCTGTCTCTCTCCTTCGCCTTACCTCTTTCTAGTAACAATATTGCTCAGATTTCC
 AACGGCCAGCAACTCATGAGCCAGCCGAGCTACACAGACGCTCTAACTTTGCAGCAGCATTCTGTAG
 CTTCTGTATCTCGAATGGGAGCAGAACTATCTCCATTCAGCACACCTGTCAATGTCACCTCCCTTGC
 AAGGCATAGGCAGCAGGAGCCAGGACAAAAGTAAAACGTGTATCGTGTGAGACAGAAGGCCAGGCATGTGC
 TGGACTGAAGGCAGGGAGATGGTCCCACATTCAGCAGTGAAGTGGCGTGAAGAGGACCATGCGCGCA
 GGAACACCCCAATTCTGTACGACACAGAAGGTCCTGTCAGGGAGCAGATGGGTAGATCATAGCC
 TGCTCTAATGTGCAAACTGAGACAGTGTGACGCCGATGTCCCTCACGCCATCACAGTGTCTGTTGCA
 AATGAAAAGGCGTAGCTAAGTGTGAGAAGTACATGCTGACCCACCAGGAACTAGCCTCCGATGGGGAGA
 TTCAGACTAAAGTCATTAAGGGTGTGTTTATAAGACGAGAGGTGGCGGACAATCGGTTCAAGTTACTGA
 TATTGAGACTTTAAAACAAGAATTGCCAACTGGTAGTCGAAACGAAGATCGTCCACCCTAGCACCTGCC
 CAACCAGATGGTACAGAGTCTGAATGGACCGATGTAGAAAACAAGGTGCTCTGTTGCCGTTGAAATGAGAG
 CAGGATCTCAGCTGGGACCGGGATATCAGCACCACGCACAACCCAAGCGCAAGAAACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_024245
Insert Size:	2862 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:	NM_024245.4 , NP_077207.3
RefSeq Size:	3439 bp
RefSeq ORF:	2862 bp
Locus ID:	71819
UniProt ID:	E9Q5G3
Cytogenetics:	9 B
Gene Summary:	Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Essential for cytokinesis in Rho-mediated signaling. Required for the localization of ECT2 to the central spindle. Plus-end-directed motor enzyme that moves antiparallel microtubules in vitro (By similarity).[UniProtKB/Swiss-Prot Function]