

Product datasheet for MR211539

Kif11 (NM_010615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kif11 (NM_010615) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kif11
Synonyms:	Eg5; Kif8; Kifl1; Knsl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211539 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCCAGCCGAGTCTTTGAAGAAGAAAGAGGAAAAGGGCAGGAACATCCAGGTGGTGGTGGAT
GCAGACCATTTAATCTGGCAGAGCGGAAAGCTAATGCCCACTCAGTAGTGAATGTGACCATGCACGGAA
AGAAGTCAGTGTACGGACTGCAGGGTTGACGGACAAGACCTCCAAGAAAACATACACGTTTGATATGGTG
TTTGGAGCATCTACAAAACAAATGATGTTTACCGAAGTGTGTTTGTCCAATTCTAGATGAAGTTATTA
TGGGCTATAATTGCACCATCTTCGCATATGGTCAGACTGGCACTGGAAAACTTTTACAATGGAAGGTGA
AAGGTCACCTAATGAAGTATATACCTGGGAGGAGGATCCTCTGGCTGGTATAATTCCACGCACTCTTCAT
CAAATTTTTGAGAACTTACTGATAATGGCACTGAGTTTTTCAGTTAAAGTGTCCCTATTGAAAATCTATA
ATGAGGAGCTTTTTGATCTTCTAGTCCATCTTCTGATGTTTCTGAAAGGCTGCAGATGTTTGATGATCC
CCGGAACAAGAGAGGAGTGATAATCAAAGGCTTAGAGGAAATCACAGTACACAATAAAGATGAAGTCTAC
CAAATCTTAGAGAAGGGAGCAGCAAAAAGGACAACCTGCAGCAACCTTGATGAATGCTTACTCTAGTCGTT
CACACTCAGTTTTTTCTGTTACGATACACATGAAAGAAACAACAATTGATGGAGAAGAGCTTGTTAAAAT
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GCCCGGAAGCTGGAAATATCAACCAATCCCTCTTGACTCTGGGAAGAGTTATTACTGCTCTTGTTGAAA
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AAGAACATCTATAATTGCAACCATTTCCCTGCATCTTTCAACTCTGAGGAACTCTGAGTACATTGGAA
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TTAAGGAGTATACAGAAGAGATAGAGCGTTTGAAGCGAGATCTTGACGACGCTCGTGAGAAAAATGGAGT
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CTGCATGACACGGCCAGCAAGTTGCTTAACACGGTTAAAGAAACCACCAGGGCTGTATCTGGTCTACATT
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 CAACAGTCTGTTAATAATATGGAAGAATTGATTAAGGATGGCAGTGCGAAACAAAAGGCCATGCTAGAC
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 CACTTGAATCTCTCGTGTCTATCCAGAAAATGTGCCGCTCGTGTCTCAGATTTCTGATATGATATT
 GGAAGACCAATCGTTAGCAGCACAAAAGTAAAAGTGTCTGCAAGGATTGATTGATGAACATAAATAGCAGCTAC
 CTTTTCACTTCCCTGAAGACCATCGTAGCCCTAGTGTGGTTTCCATCTTGAACATAAATAGCAGCTAC
 AGCATATTTTCAGGGCTTCATCGACAGTGGCTGAAAAGGTAGAAGATCAAAAAGAGAAAATAGACAGTTT
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 TTTCTGAAACAGGATCTGAAACTAGATATCCCAACAGGTATGACACCAGAGAGGAAAAAATTTTATATC
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 GATGCTAAACAGCTCAGAAGCCAGCAAGGAGACCAGTCAAGACATGGATGAAGAGAGGGGAGGCTCTGGAG
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 GAAGTATAAAGTGAAGAGGCCCTCGGATCTCTCCATCTCCAAGAGCAGACTGCCGCTTACACCTCCATA
 AACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211539 protein sequence
 Red=Cloning site Green=Tags(s)

MASQPSSLLKKKEEKGRNIQVVVRCRPFNLAERKANAHSVVECDHARKEVSVRTAGLTDKTSKKTFTYFDMV
 FGASTKQIDVYRSVVCPILEDEVIMGYNCTIFAYGQTGTGKFTMEGERSPNEVYTWEEDPLAGIIPRTLH
 QIFEKLTDNGETFSVKVSLLEIYNEELFDLLSPSSDVSERLQMFDDPRNKRGVIIKGLLEITVHNKDEVY
 QILEKGAARKTTAATLMNAYSSRSVSVTIHMKETTIDGEEELVKIGKLNLDLAGSENIGRSGAVDKR
 AREAGNIQSLTLGRVITALVERTPHIPYRESKLTRILQDSLGGRTRTSIIATISPASFNLEETLSTLE
 YAHRAKNIMNKPEVNQKLTKKALIKEYTEEIERLKRDLAAREKNGVYISEESFRAMNGKVTVQEEQIVE
 LVEKIAVLEEELSKATELFMDSKNELDQCKSDLQTKTQLETTQKHLQETKQLVKEEYVSSALERTEKT
 LHDTASKLLNTVKETTRAVSGLHSLKDRKRAIDEHNAEAQESFGKNLNSLFNMEELIKDGSQKQKAMLD
 VHKTLFGNLMSSVSALDITTTTALESLSVIPENVSARVSQISDMILEEQSLAAQSKSVLQGLIDELVTD
 LFTSLKTIVAPSVVILNINKQLQHIFRASSTVAEKVEDQKREIDSFLSILCNLHELRENTVSSLVESQ
 KLCGDLTEDLKTIKETHSQELCQLSSSWAERFCALEKKYENIQPLNSIQENTELRSTDIINKTTVHSKK
 ILAESDGLLQELRHFNQEGTQLVEESVGHCSLNSNLETVSQEITQKCGTLNTSTVHFSQWASCLSKRK
 EELLENLMEFVNGCCKASSEITKKVREQSAAVANQHSSFVAQMTSDEESCKAGSLELDKTIKTGLTKLNC
 FLKQDLKLDIPTGMTPERKKYL YPTTLVRTEPREQLLDQLQKKQPPMMLNSSEASKETSQDMDEEREAL
 QCTEELVSPETTEHPSADCSSRGLPFFQRKKPHGKDKENRGLNPVEKYKVEEASDLSISKSRPLPHTSIL
 NL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010615

ORF Size: 3159 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_010615.2](#)

RefSeq Size: 4850 bp

RefSeq ORF: 3159 bp

Locus ID: 16551

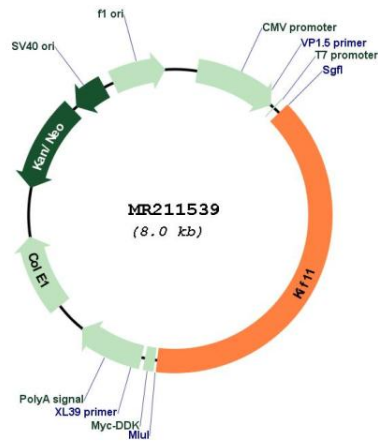
UniProt ID: [Q6P9P6](#)

Cytogenetics: 19 C2

MW: 118 kDa

Gene Summary: Motor protein required for establishing a bipolar spindle during mitosis. Required in non-mitotic cells for transport of secretory proteins from the Golgi complex to the cell surface. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211539